

CSCW in Times of Social Media



Centre for Learning Sciences and Technologies
celstec.org



Invited talk by Dr. Hendrik Drachsler
University Siegen, Germany, 29.08.2012

Open University of the Netherlands

World Map > Netherlands > Limburg > Welten

Open Universiteit Nederland, Bologna and Chiba building

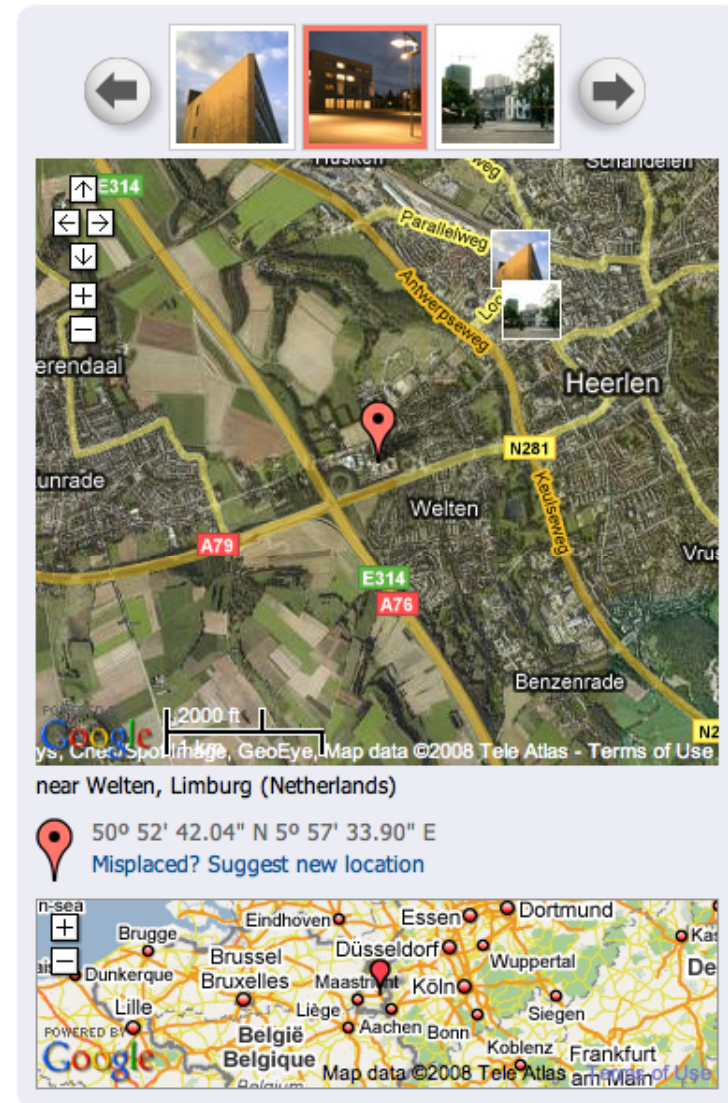
See in Google Earth



by **Chris Peeters**

This photo is selected for Google Earth [?] - ID: 5809639

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Open University of the Netherlands

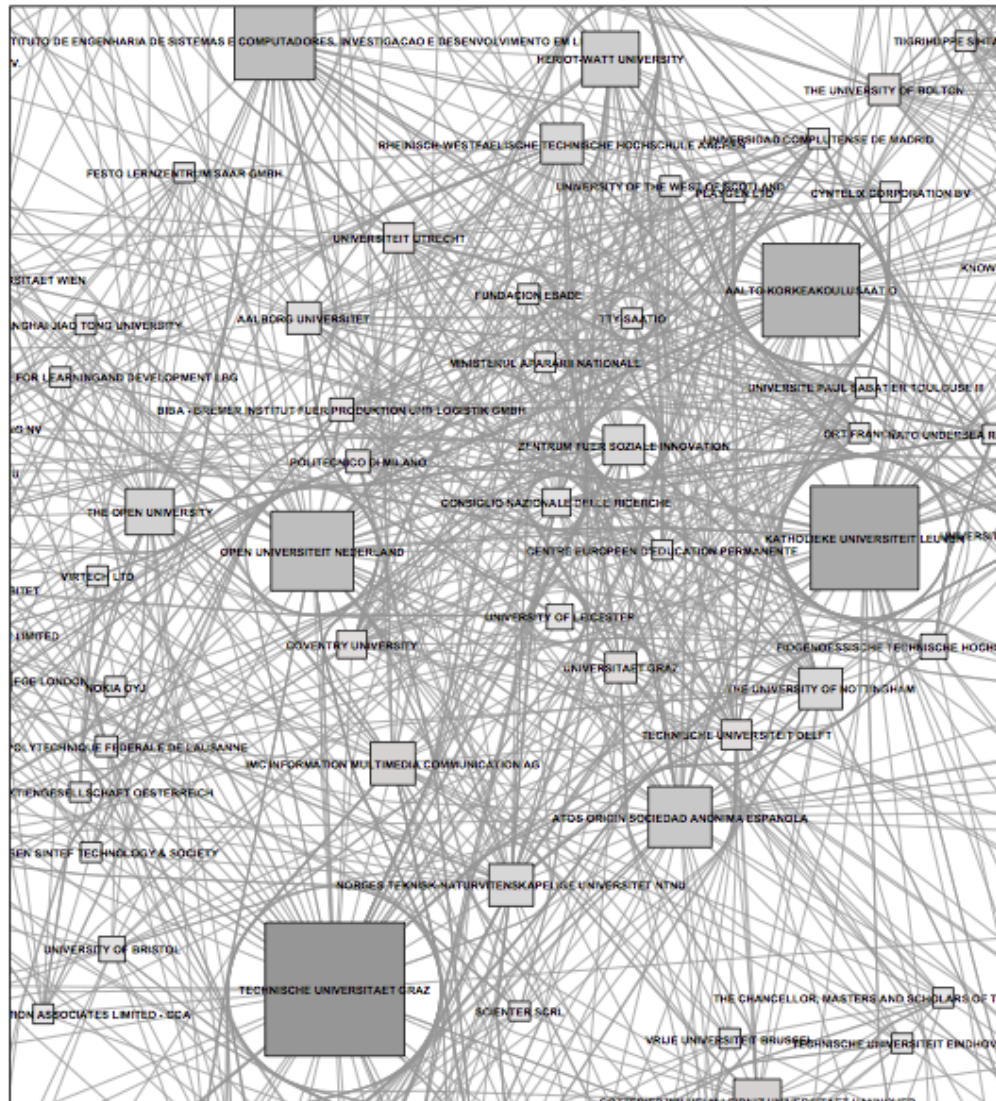


Figure 8: Center region cut-out of the FP7 collaboration graph.

Some Facts:

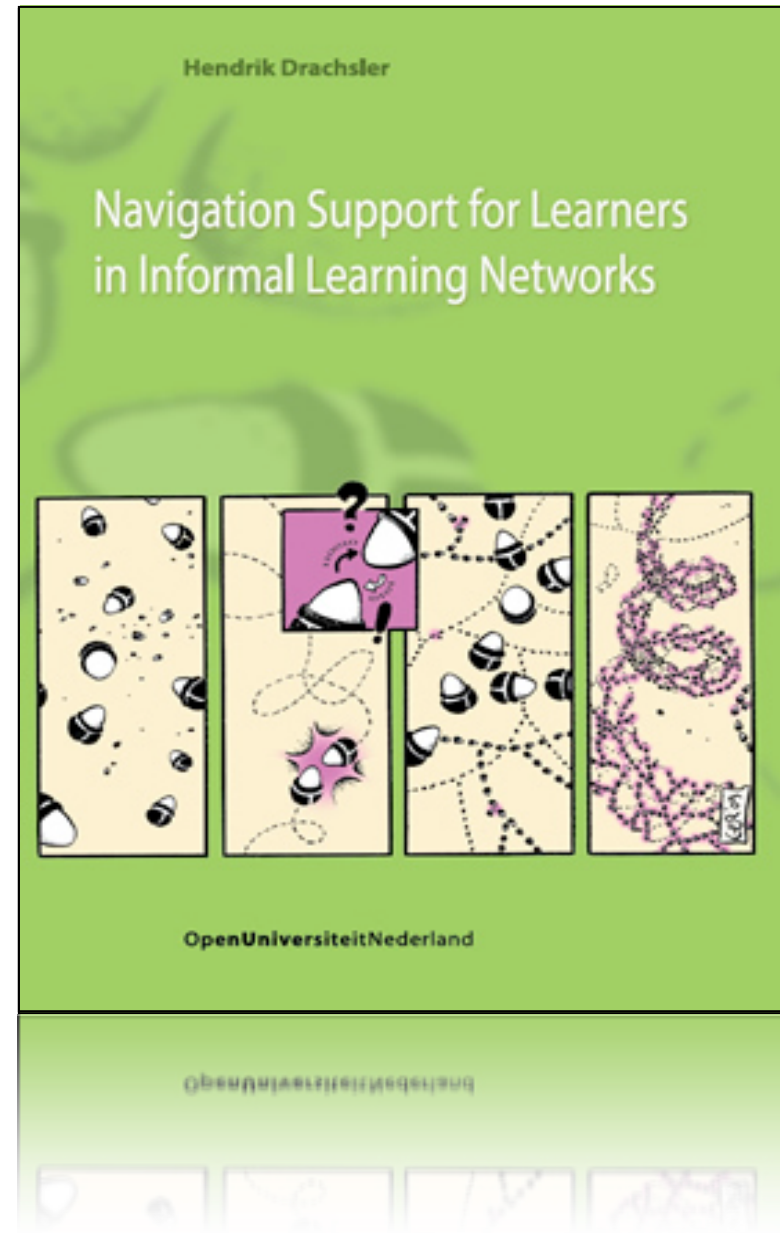
- 20.000 Students
- 60 Mio. Eur Budget
- 15 Study Centers

CELSTEC

- 120 FTE
- 7 Mio. budget (R.Koper)
- 2 R&D Programs
 - a.) Technology-Enhanced Learning (M.Specht)
 - b.) Learning and Cognition (P. Kirschner)

Whoami

- Assistant Professor at the
Technology-Enhanced
Learning Program
- Research topics:
Learning Networks,
Recommender Systems,
Personalization,
Learning Analytics,
Mobile devices
- Application domains:
Science 2.0
Health 2.0



Overview

I. CSCW &
social media

2. Data &
Personalization

3. Applications-
domains

4. Future
Challenges

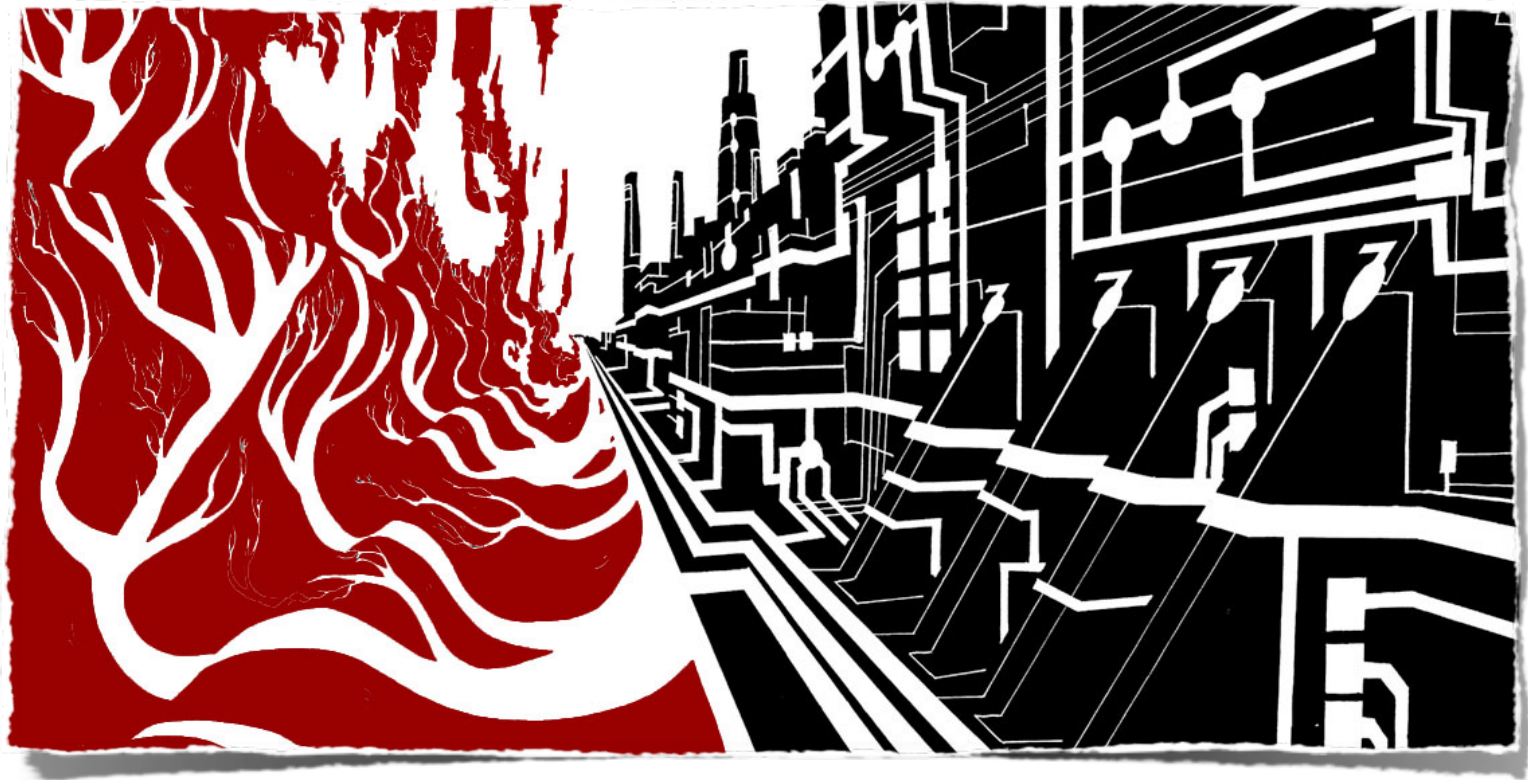


Networked Organizations



by [Zohar Manor-Abel](http://flickr.com/photos/zoharma/97214235/sizes/l/) <http://flickr.com/photos/zoharma/97214235/sizes/l/>

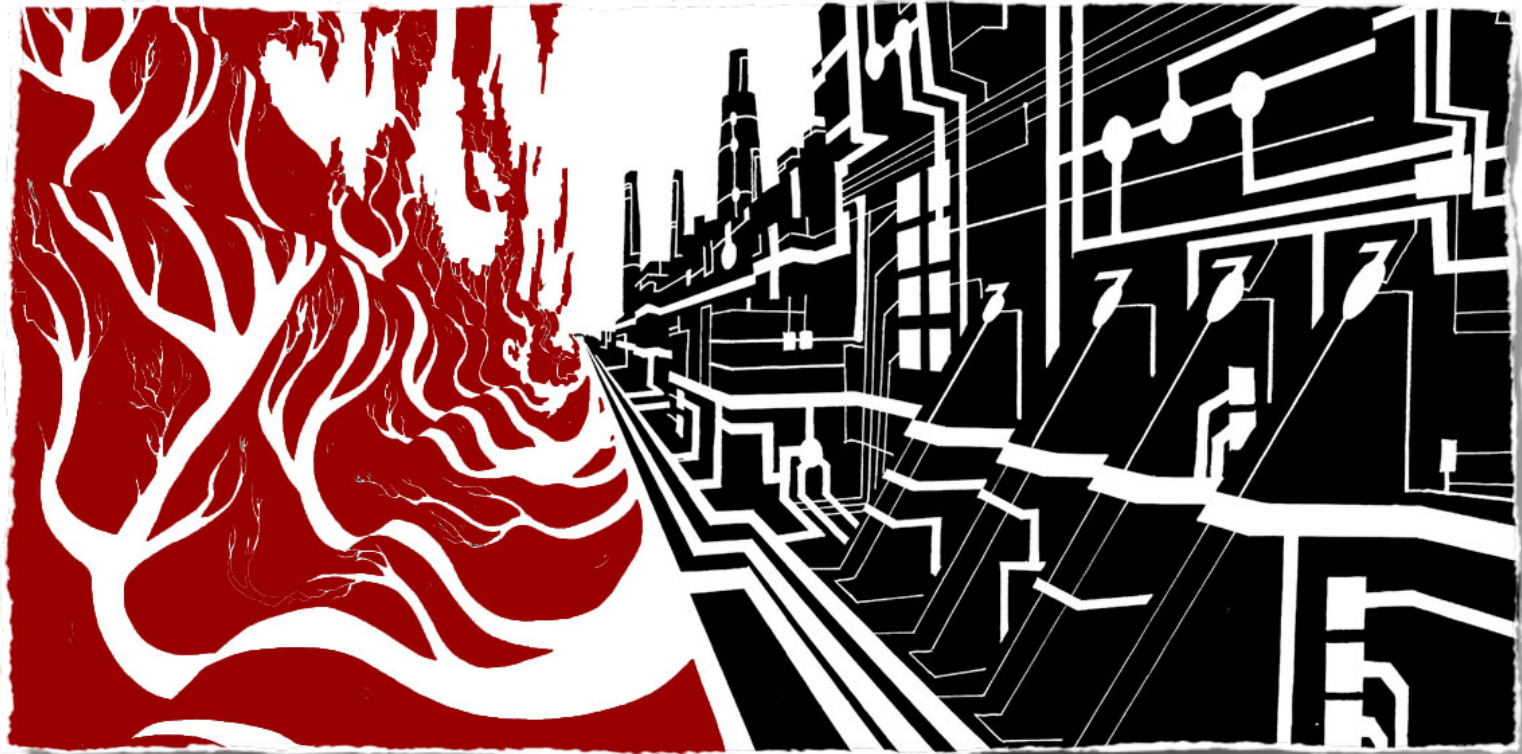




by Alex Guerten, 2008

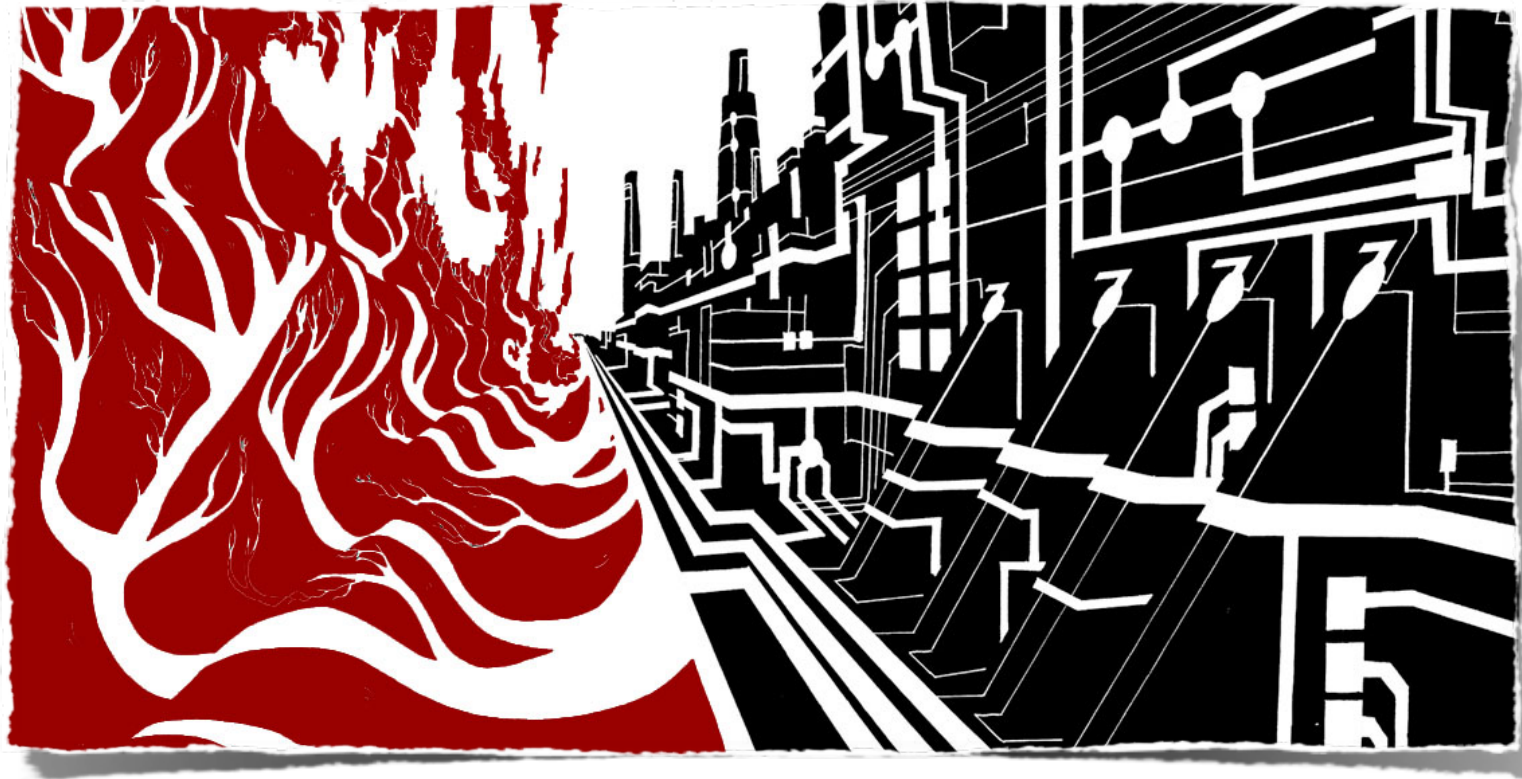
G LOCALISATION

O B A L I S A T I O N



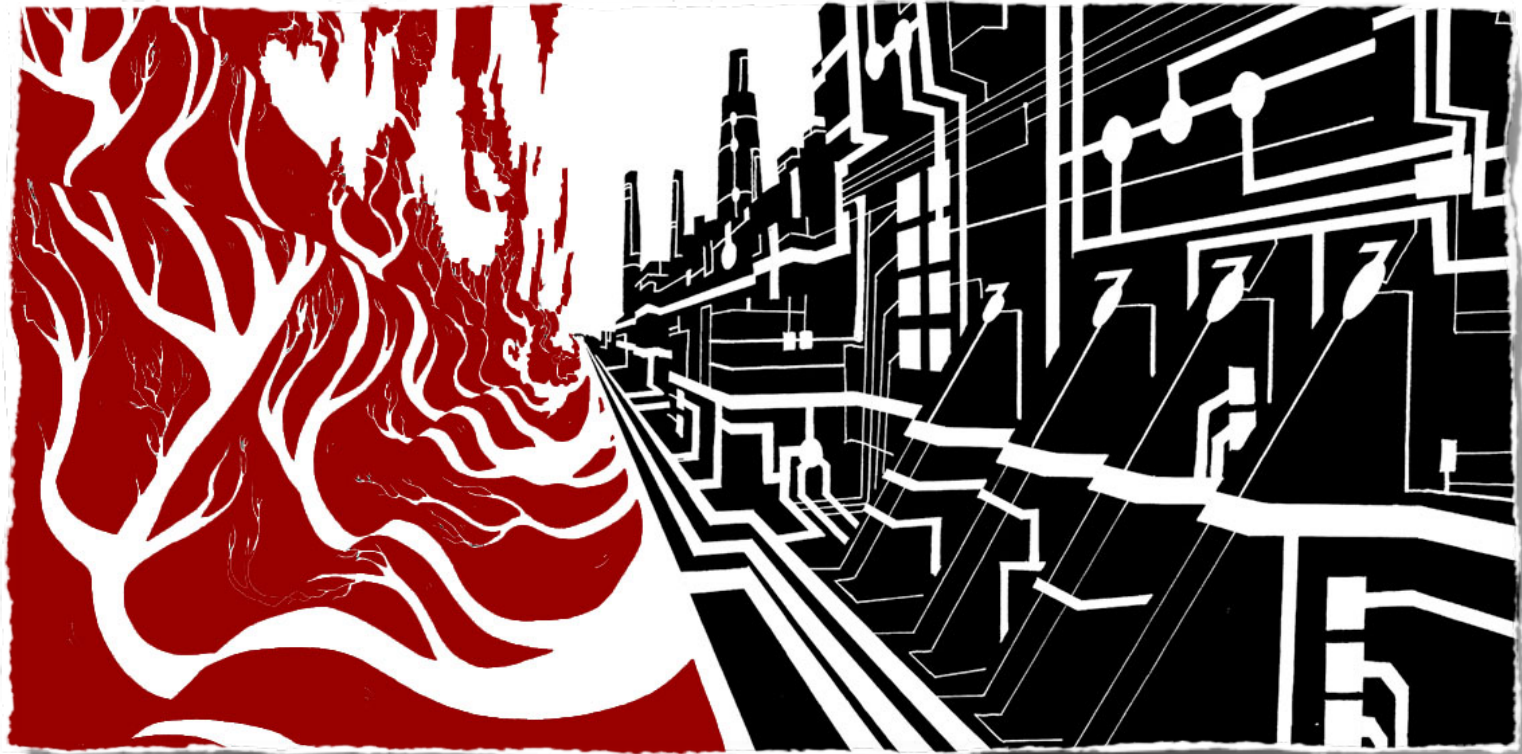
by Alex Guerten, 2008

GLOCALISATION



by Alex Guerten, 2008

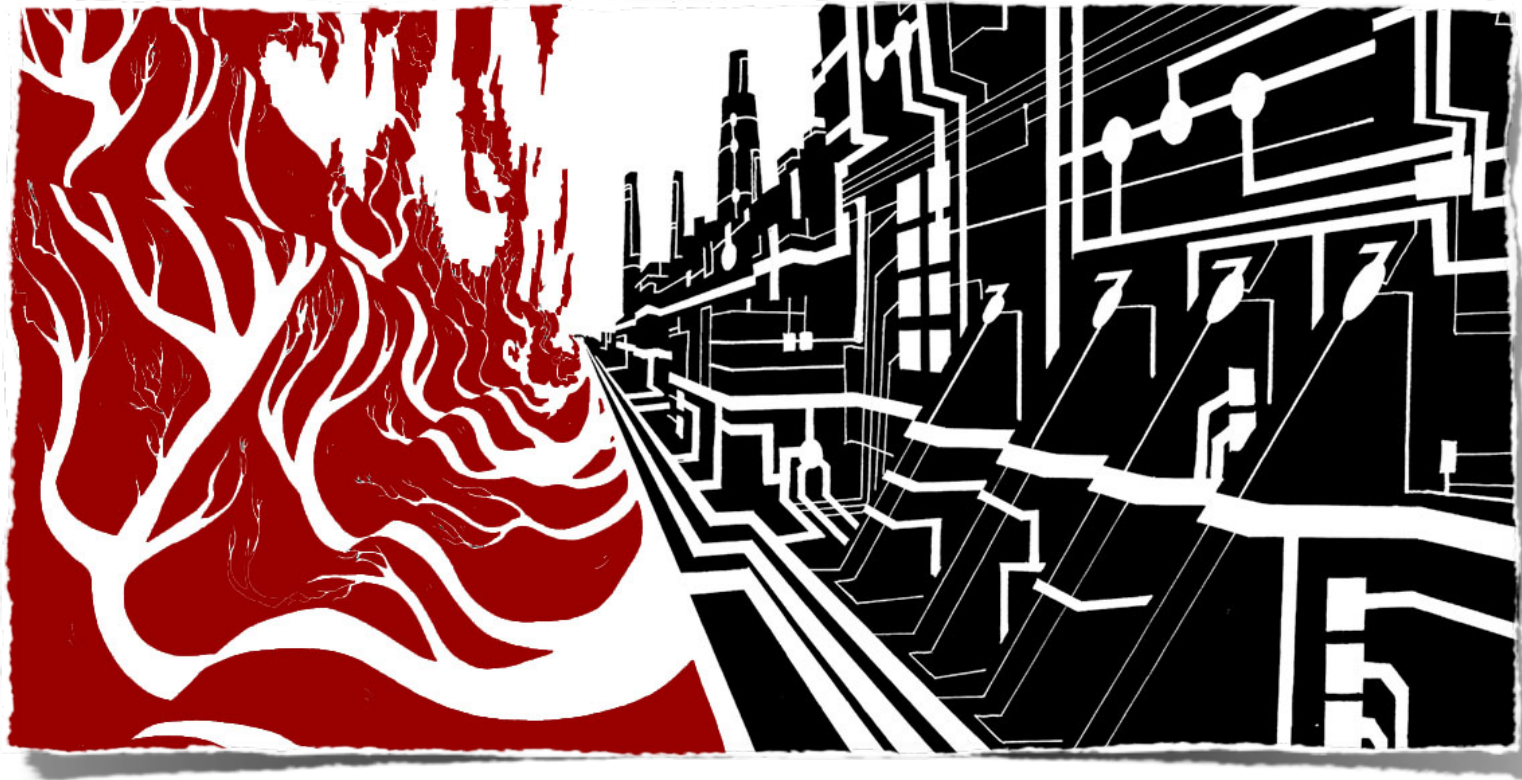
GLOCALISATION



by Alex Guerten, 2008

CONSUMERS
P
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GLOCALISATION



by Alex Guerten, 2008

PRO**SUMERS**

The challenge in 2006

*“The biggest challenge businesses face today is **unlearning** what was successful in the **industrial age** and **learning** how to prosper in the **network era**.”*

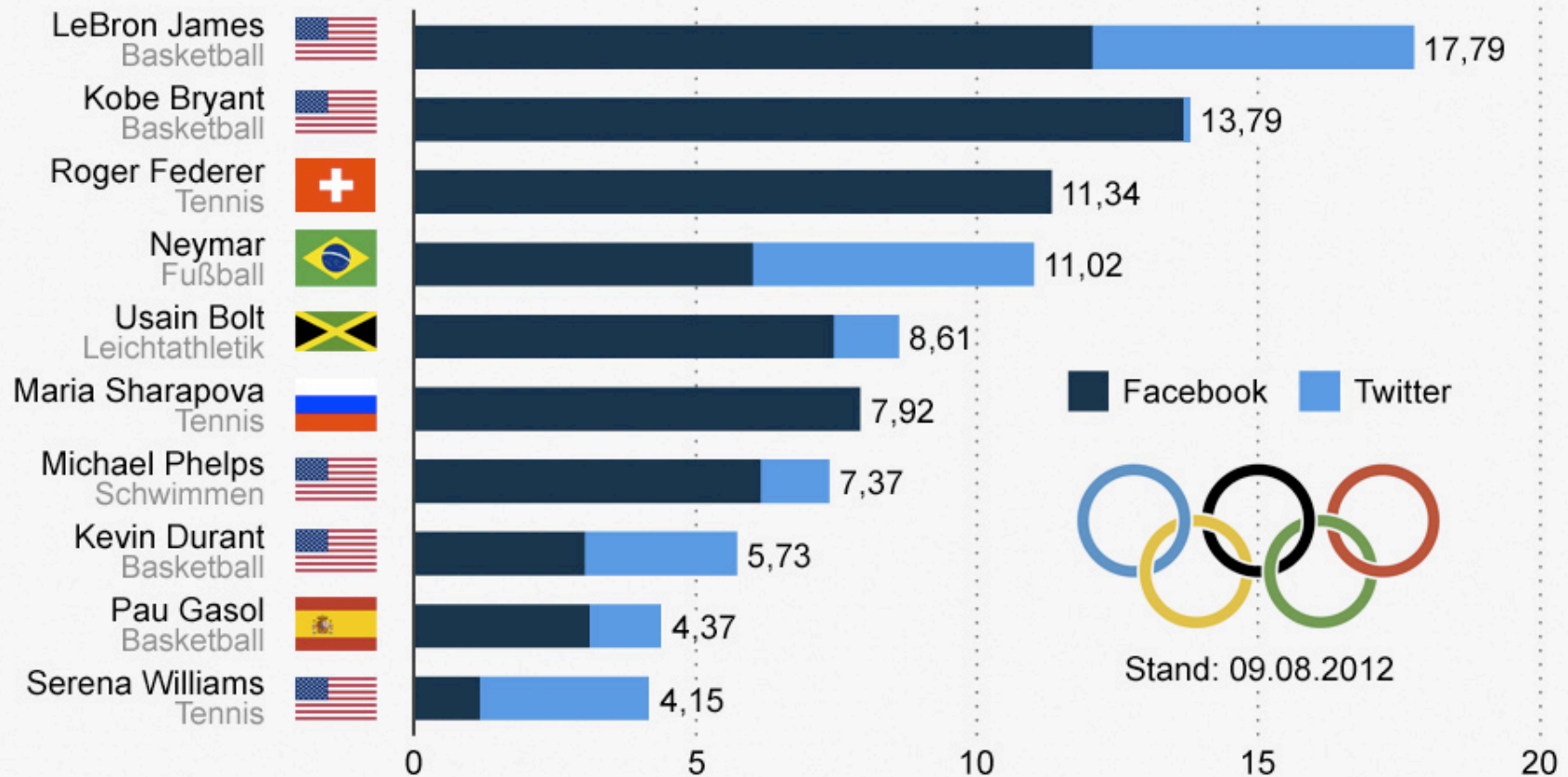
Jay Cross, Informal Learning (2006)



TODAY - Network era?!

US-Basketballer James holt Social-Media-Gold

Olympische Athleten mit den meisten Fans/Followern bei Facebook/Twitter (in Mio.)



TODAY - Network era?!

SOFTWARE / SERVICES

Apr 11, 2012 4:00 pm

Citrix Buys Podio for Social Collaboration, Project Management Software

By Chris Kanaracus, IDG News

Citrix said Wednesday it has acquired Podio, maker of a cloud-based software platform for project management and collaboration. Terms were not disclosed.



TODAY - Network era?!

TechCrunch
DISRUPT SF 2012

EARLY BIRD TICKET SALES END AUGUST 24
Hackathon Sept. 8-9 Conference Sept. 10-12 [Get Tickets >](#)

Social Media Marketer Vitruve Has Been Bought By Oracle For \$300 Million

INGRID LUNDEN AND JOSH CONSTINE

Wednesday, May 23rd, 2012

17 Comments



TODAY - Network era?!

[Home](#) > [Applications](#)

News

Salesforce.com buying social marketing vendor Buddy Media in \$689 million deal

The move follows Oracle's recent purchase of Buddy Media competitor Vitruv

By Chris Kanaracus

June 4, 2012 09:51 AM ET

 1 Comment



+ Briefcase



TODAY - Network era?!

TechCrunch
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2012

EARLY BIRD TICKET SALES END AUGUST 24

Hackathon Sept. 8-9 Conference Sept. 10-12 [Get Tickets >](#)

**With \$1.2 Billion Yammer Buy,
Microsoft's Social Enterprise Strategy
Takes Shape**



TODAY - Network era?!

TechCrunch

EARLY BIRD TICKET SALES END AUGUST 24

\$53 Million + \$300 Million + \$689 Million + \$1200 Million

**A total investment of
\$2.242.000.000 Dollar
into CSCW enhanced Social Media
applications**



Overview

I. CSCW &
social media

2. Data for
Personalization

3. Applications-
domains

4. Future
Challenges



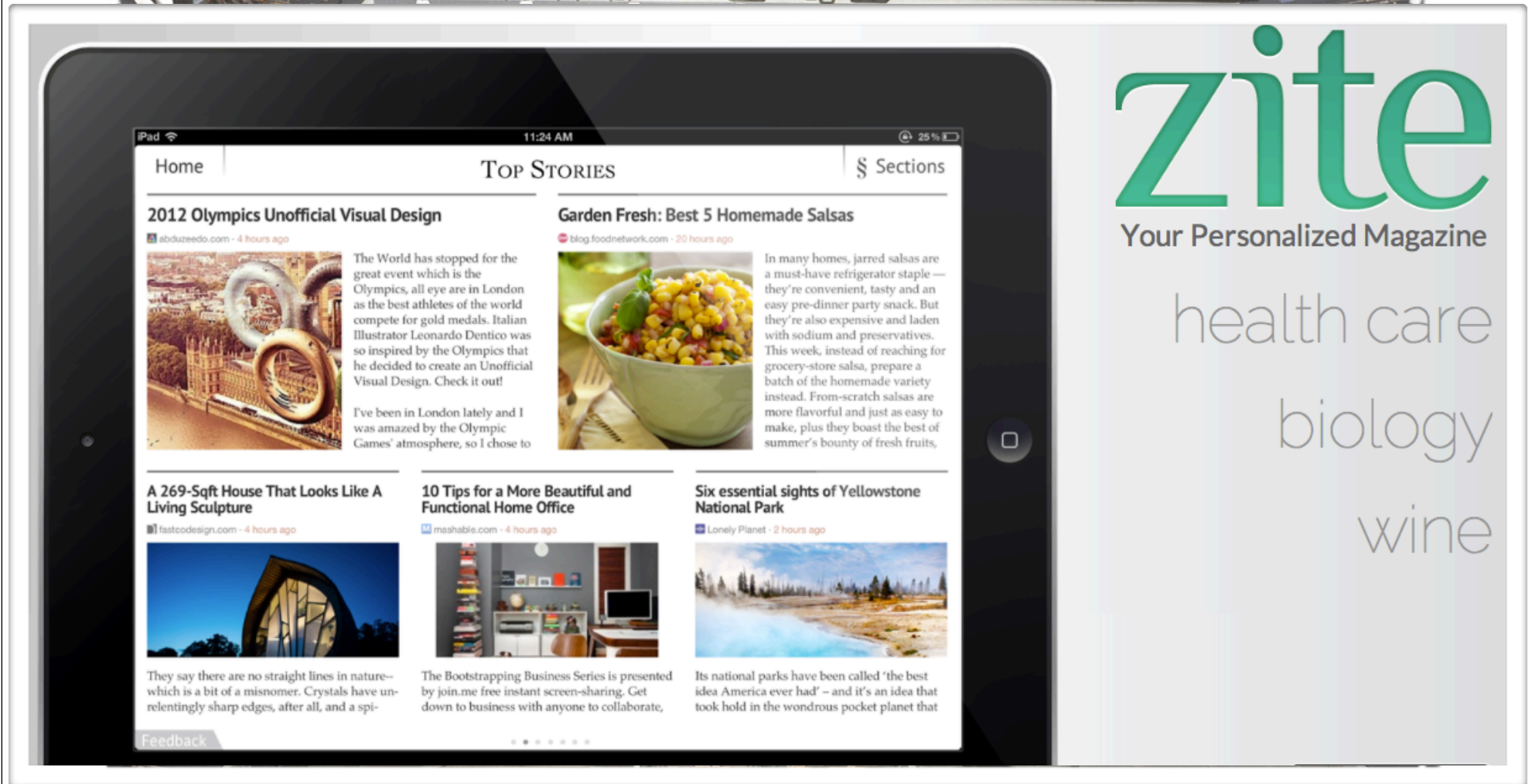
Personal Environments



Personal Environments



Personal Environments



Personal Environments

zite

Home TOP STORIES Sections

2012 Olympics Unofficial Visual Design
abduzeedo.com - 4 hours ago

The World has storied great event which Olympics, all eyes as the best athletes compete for gold medals. Illustrator Leonard so inspired by the he decided to create Visual Design. Ch I've been in London was amazed by the Games' atmosphere

A 269-Sqft House That Looks Like A Living Sculpture
fastcodeign.com - 4 hours ago

10 T Func mas

Feedback

Flipboard

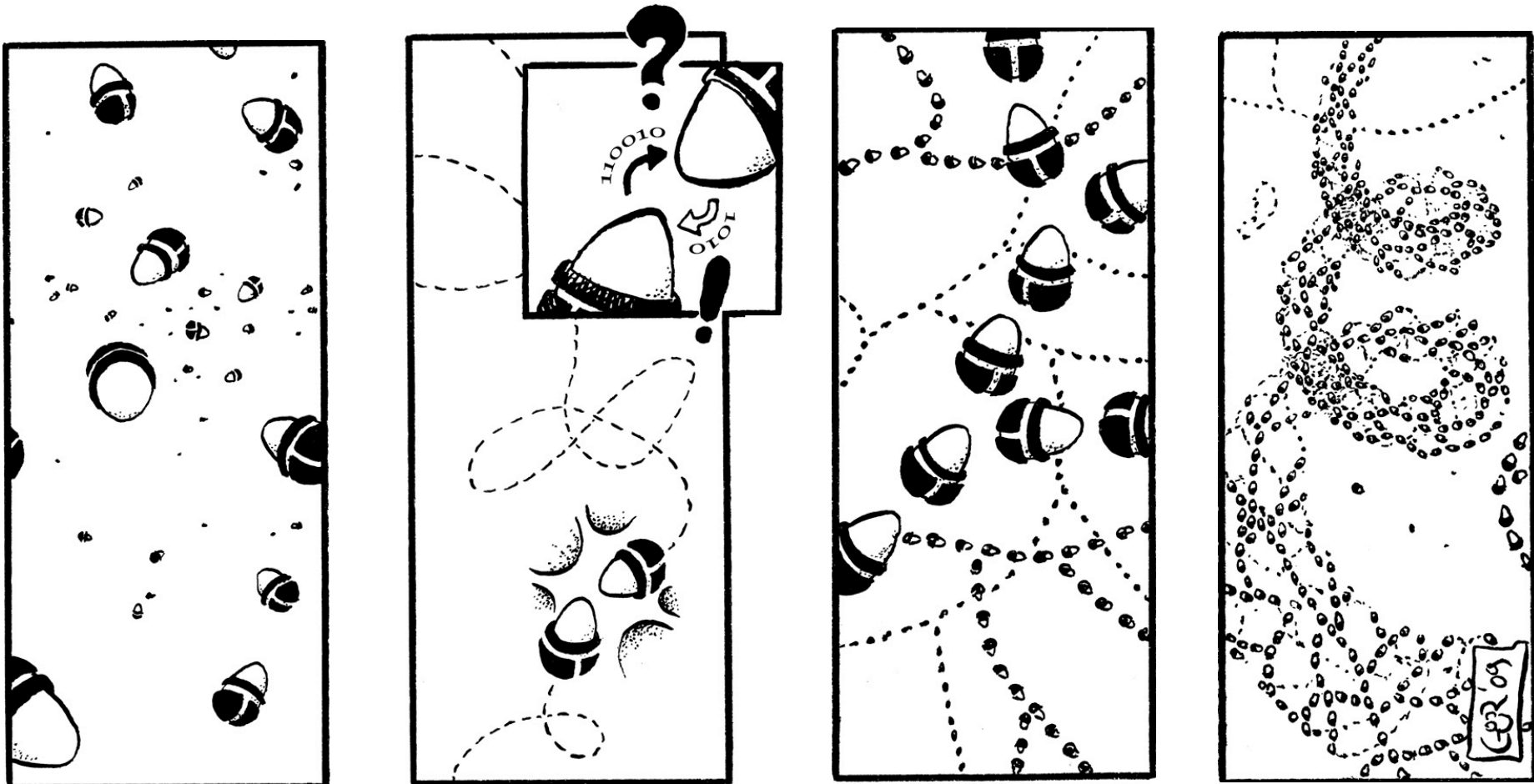
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It's your personalized,
social magazine

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Watch the Video

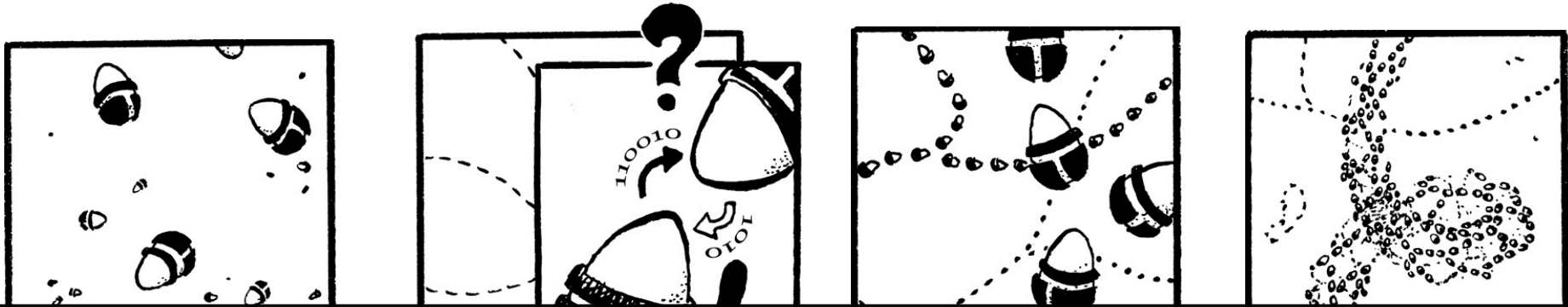
→

Emergence

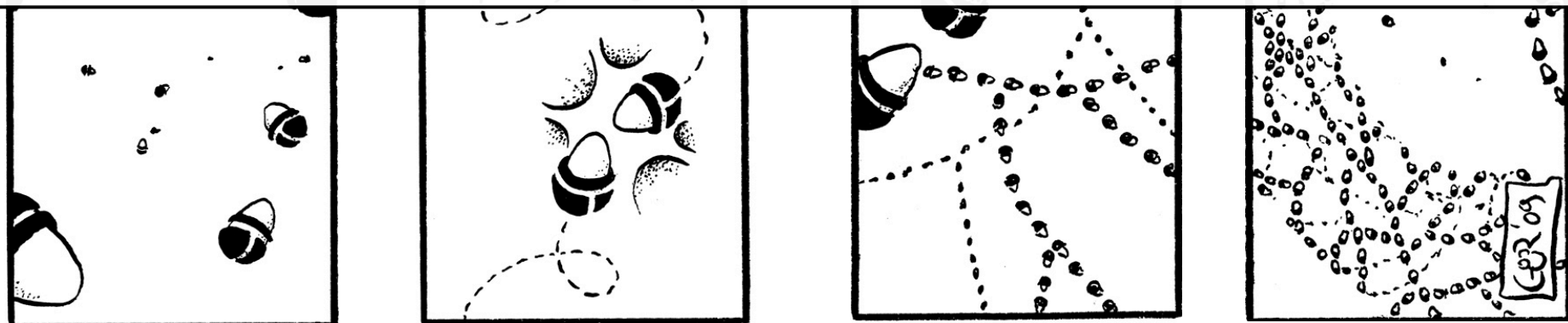


Johnson, S. (2001). Emergence. New York Scribner.

Emergence

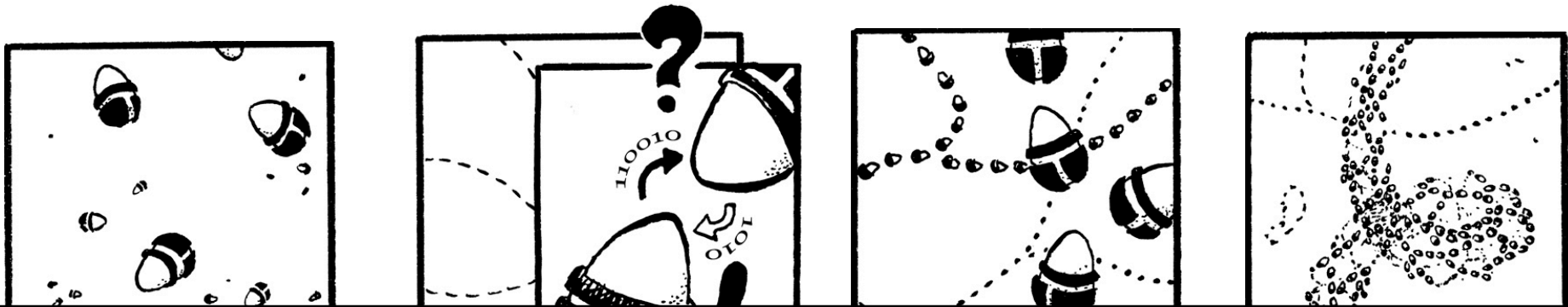


So, how do you deal with information overload?

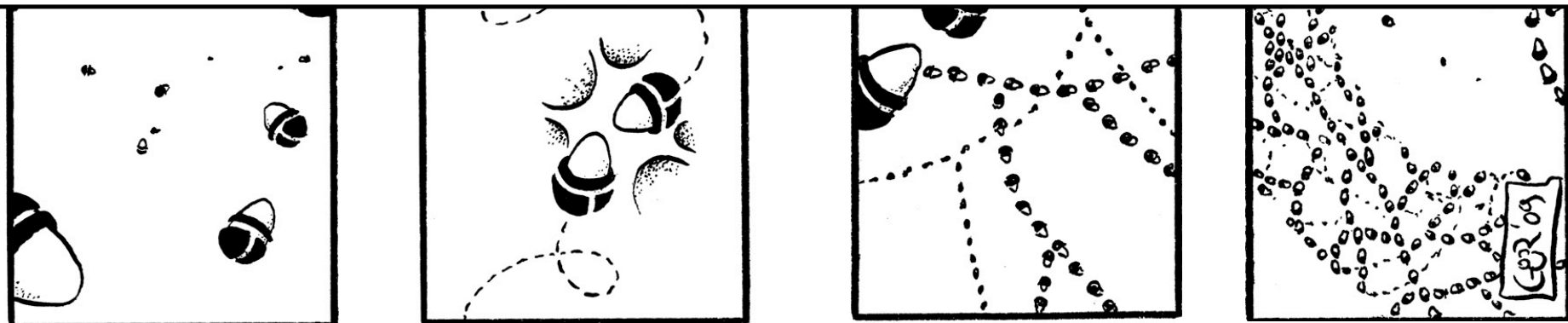


Johnson, S. (2001). Emergence. New York Scribner.

Emergence

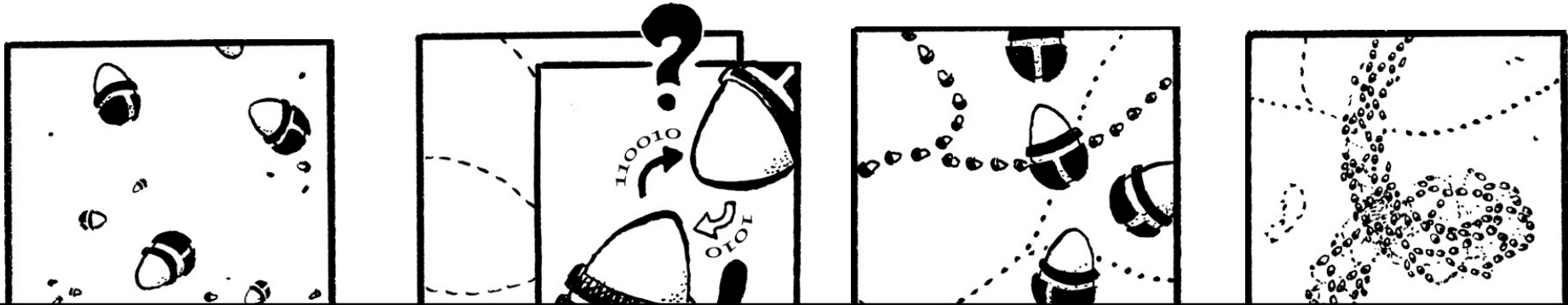


So, how do you deal with *filter failure?* - Clay Shirky

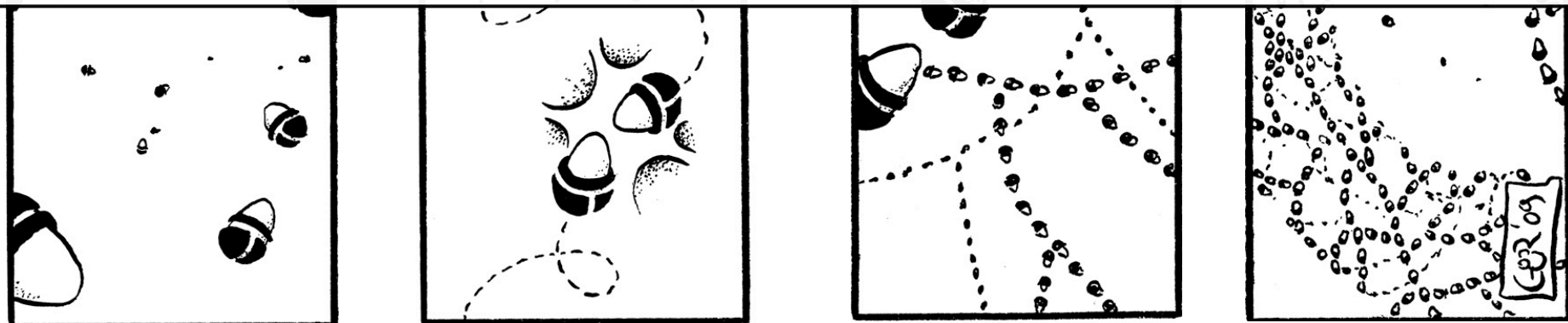


Johnson, S. (2001). Emergence. New York Scribner.

Emergence



So, how do you deal with *filter failure?* - Clay Shirky



Johnson, S. (2001). Emergence. New York Scribner.

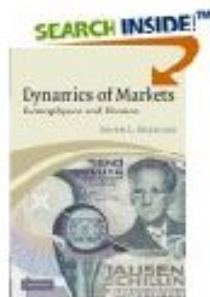
Recommender Systems

People who bought the **same product** also bought product B or C ...



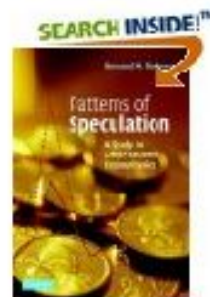
More to Explore

You looked at

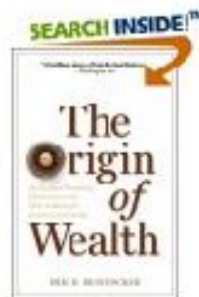


[Dynamics of Markets: Econophysics and...](#)
Hardcover by Joseph L. McCauley
~~\$77.92~~

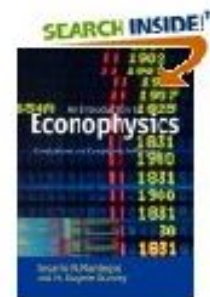
You might also consider



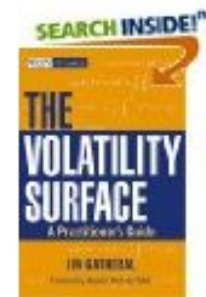
[Patterns of Speculation: A Study in...](#)
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~~\$30.00~~ **\$35.99**



[Origin of Wealth: Evolution...](#) Paperback
by Eric D. Beinhocker
~~\$16.00~~ **\$10.88**



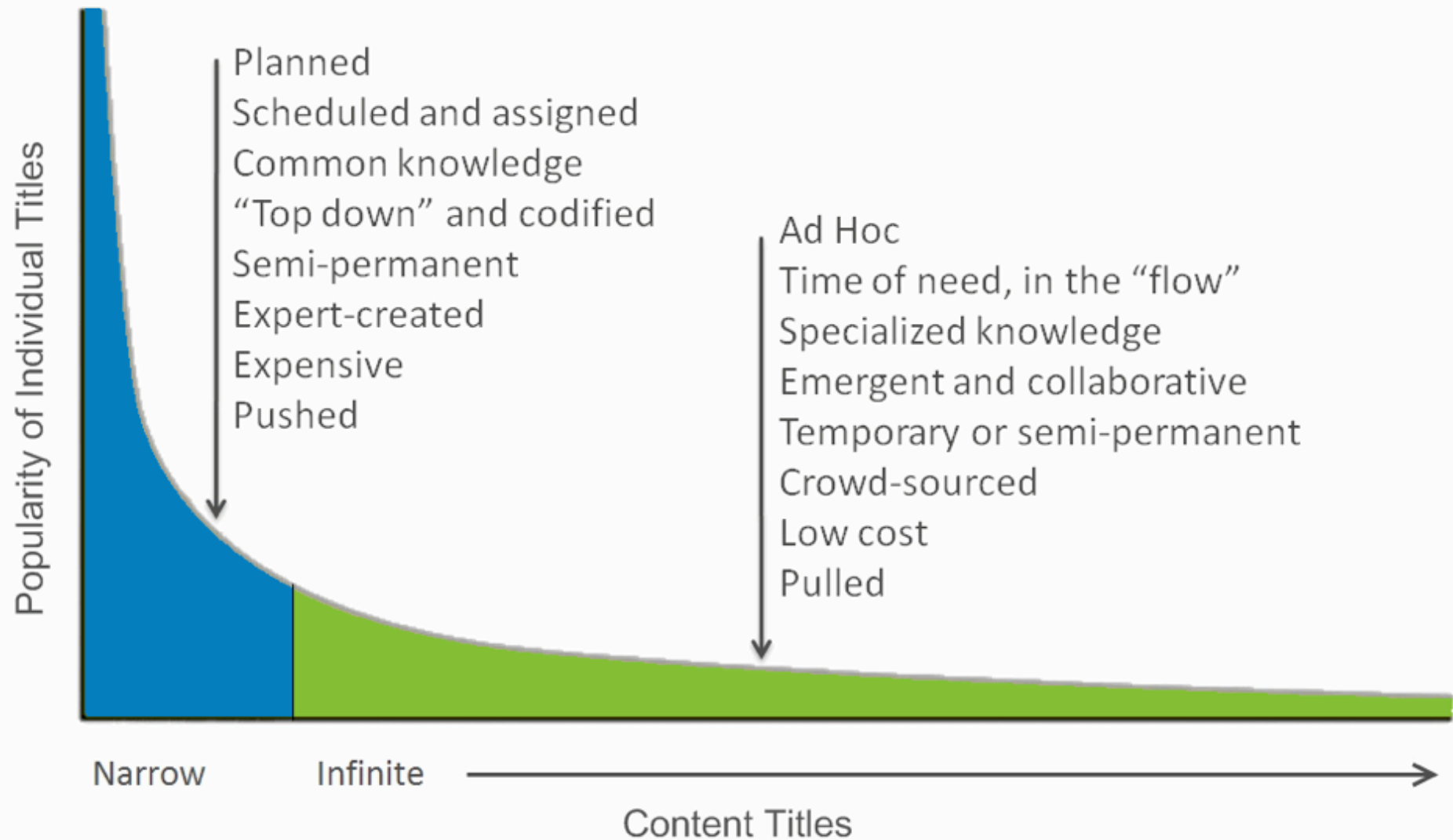
[Introduction to Econophysics...](#)
Paperback by Rosario N. Mantegna, H...
~~\$32.99~~



[The Volatility Surface: A Practitioner's Guide](#)
Hardcover by Jim Gatheral, Nassim...
~~\$60.00~~ **\$37.80**

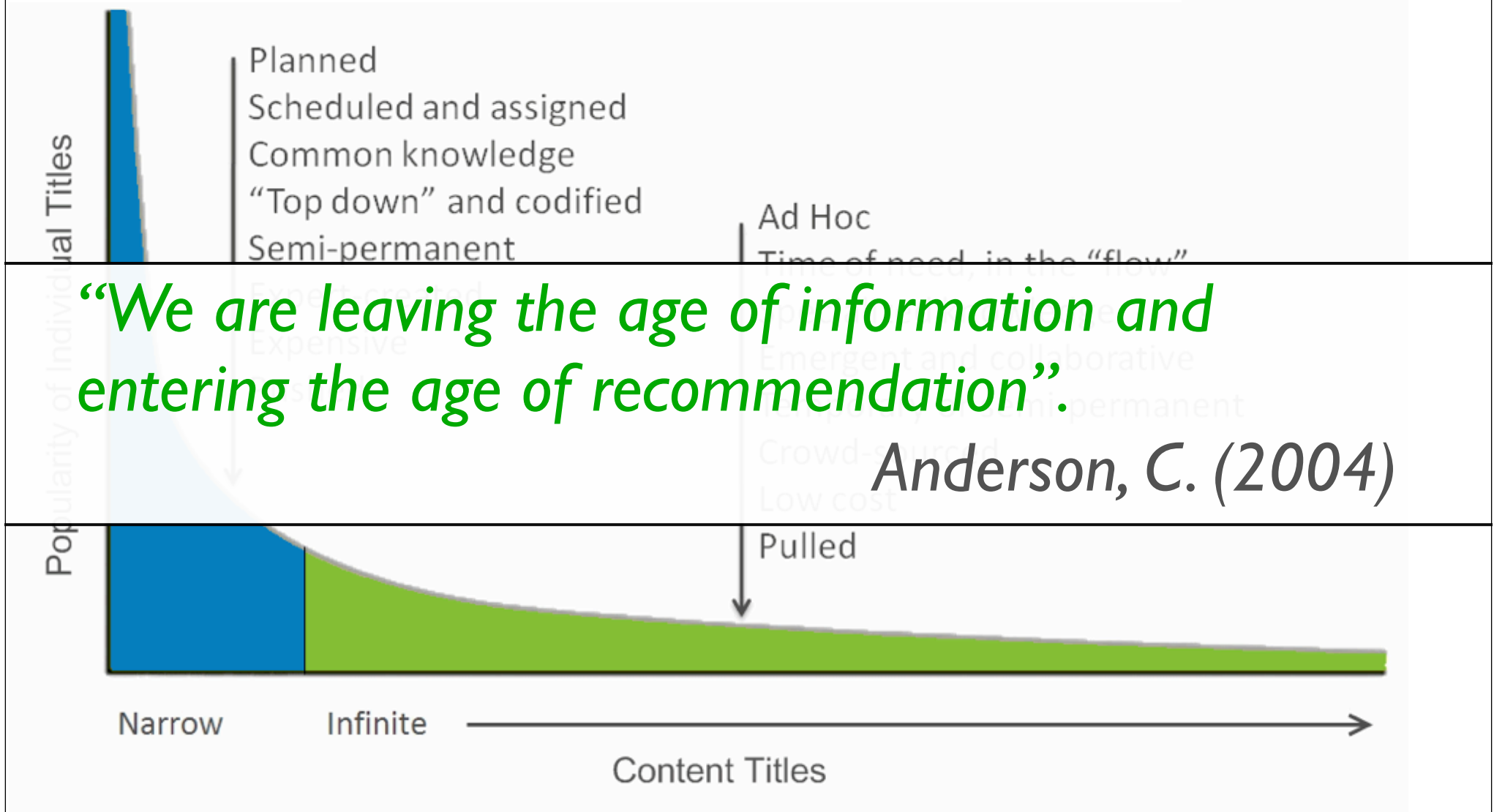


The Long Tail



Anderson, C. (2004). *The Long Tail*. Wired Magazine.

The Long Tail



Anderson, C. (2004). *The Long Tail*. Wired Magazine.

Emerging paths



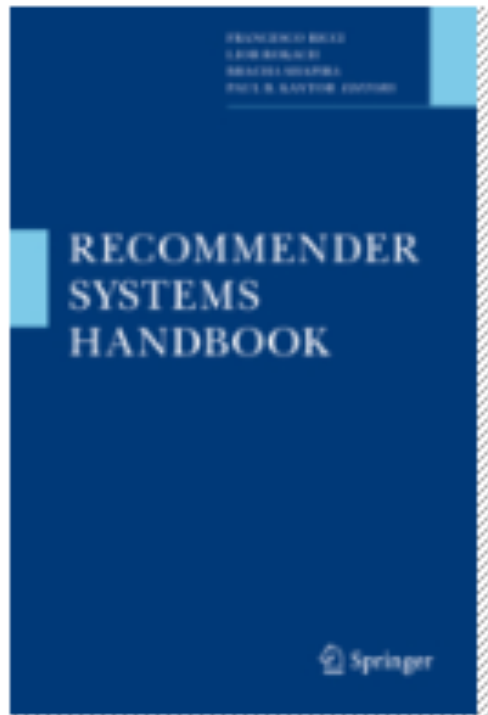
Emerging paths



Main
Road

Emerging paths





Recommender Systems Handbook

Ricci, F.; Rokach, L.; Shapira, B.; Kantor, P.B. (Eds.)

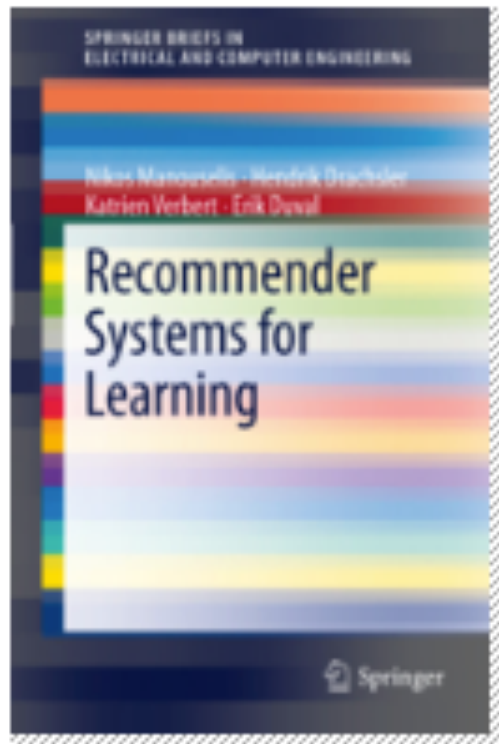
1st Edition., 2011, XXX, 842 p. 20 illus.

Available Formats:

⚖ Hardcover ⓘ
ISBN 978-0-387-85819-7

Manouselis, N., Drachsler, H., Vuorikari, R., Hummel, H. G. K., & Koper, R. (2011). Recommender Systems in Technology Enhanced Learning. In P. B. Kantor, F. Ricci, L. Rokach, & B. Shapira (Eds.), *Recommender Systems Handbook* (pp. 387-415). Berlin: Springer.





Recommender Systems for Learning

Series: » SpringerBriefs in Electrical and Computer Engineering

Manouselis, N., Drachsler, H., Verbert, K., Duval, E.

2013, 2013, XI, 76 p. 4 illus.

Softcover 

ISBN 978-1-4614-4360-5

Due: October 28, 2012

Manouselis, N., Drachsler, H., Verbert, K., Duval, E. (2012).
Recommender Systems for Learning. Berlin: Springer.



dataTEL

Data-driven Research and Learning Analytics

EATEL-Special Interest Group

Hendrik Drachsler (a), Katrien Verbert (b)

(a) CELSTEC, Open University of the Netherlands

(b) Dept. Computer Science, K.U.Leuven, Belgium



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Available online at www.sciencedirect.com

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Procedia Computer Science 1 (2010) 2849–2858

www.elsevier.com/locate/procedia

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Computer
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1st Workshop on Recommender Systems for Technology Enhanced Learning (RecSysTEL 2010)

Issues and Considerations regarding Sharable Data Sets for
Recommender Systems in Technology Enhanced Learning

Hendrik Drachler^{a,*}, Toine Bogers^b, Riina Vuorikari^c, Katrien Verbert^d, Erik Duval^d,
Nikos Manouselis^e, Guenter Beham^f, Stephanie Lindstaedt^g, Hermann Stern^f, Martin
Friedrich^h

RecSysTEL 2010
Workshop on Recommender Systems
for Technology Enhanced Learning

RecSysTEL 2012
5th European Workshop on Recommender Systems
for Technology Enhanced Learning

Organised jointly by the
7th European Conference on Technology Enhanced Learning (EC-TEL 2012)
Saarbrücken (Germany), 18 - 19 September 2012

Submissions date: July 30th, 2012 *EXTENDED*****

Post-proceedings will be published by Springer.

**2nd Workshop on Recommender Systems for Technology Enhanced
Learning (RecSysTEL 2012)**

In conjunction with
7th European Conference on Technology Enhanced Learning (EC-TEL 2012)

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Aims and Scope
Workshop history
Topics
Important Information
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Datatel Challenge
Important Dates
Accepted Papers
Workshop Information
Location
Detailed Program
Registration
Committees
Workshop Chairs
Steering Committee
Program Committee



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		dataTEL											PSLC DataShop						Mulce			
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	create/delete			+					+	+	+	+					+					
	write/edit			+							+	+										
	select/unselect	+		+			+		+	+	+	+										
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	register			+								+										
	open/close			+					+		+	+										
	add/remove											+										
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	request help					+	+					+					+					
	save/download	+		+			+	+				+										
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password																						



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Dataset-driven Research for Improving Recommender Systems for Learning

Katrien Verbert¹, Hendrik Drachsler², Nikos Manouselis³, Martin Wolpers⁴,
Riina Vuorikari⁵ and Erik Duval¹

¹ Department of Computer Science, K.U.Leuven
Celestijnenlaan 200A, B-3001 Leuven, Belgium
{katrien.verbert, erik.duval}@cs.kuleuven.be

² Open University of the Netherlands (OUNL)
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hendrik.drachsler@ou.nl

³ Greek Research and Technology Network (GRNET)
56 Messogeion Av., 115 27, Athens, Greece
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⁴ Fraunhofer Institute for Applied Information Technology (FIT)
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martin.wolpers@fit.fraunhofer.de

⁵ European Schoolnet (EUN)
Rue de Trèves, 61, 1040 Brussels, Belgium
riina.vuorikari@eun.org

Abstract. In the world of recommender systems, it is a common practice to use publicly available datasets from different application domains

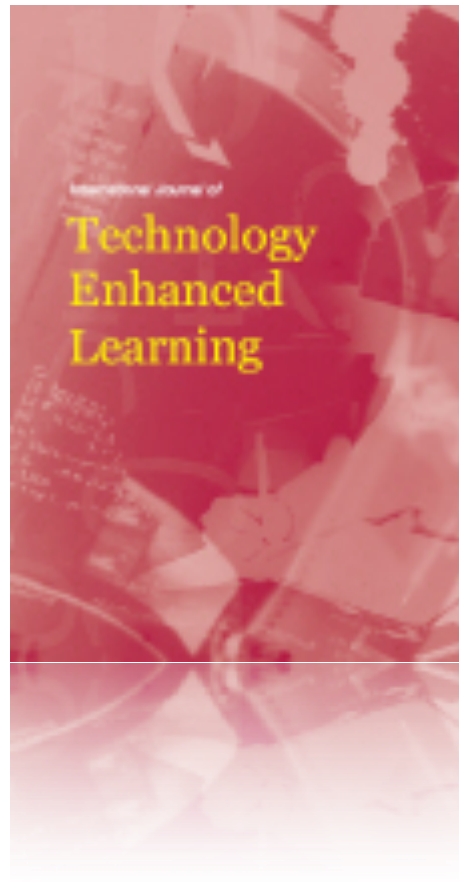


of recommendation algorithms
enhance their relevance and in order to improve the performance
of recommendation algorithms and to improve the quality of the
recommendations provided to the users. The datasets and algorithms
are available for research and development of recommendation
algorithms.

dataset-driven research for improving
recommender systems for learning
dataset-driven research for improving
recommender systems for learning
dataset-driven research for improving
recommender systems for learning



dataTEL



International Journal of Technology Enhanced Learning

2012 Vol. 4 No. 1/2

**Special Issue on dataTEL – Data Supported Research in
Technology-Enhanced Learning**

***Guest Editors:* Hendrik Drachsler, Katrien Verbert, Nikos
Manouselis, Riina Vuorikari, Martin Wolpers and Stefanie
Lindstaedt**



Lindstaedt

manouselis' Riina Vuorikari' Martin Wolpers and Stefanie

dataTEL

Prosumer concept

- > Huge amount of information
- > Personalization
- > Lack of references datasets
- > New evaluation criteria



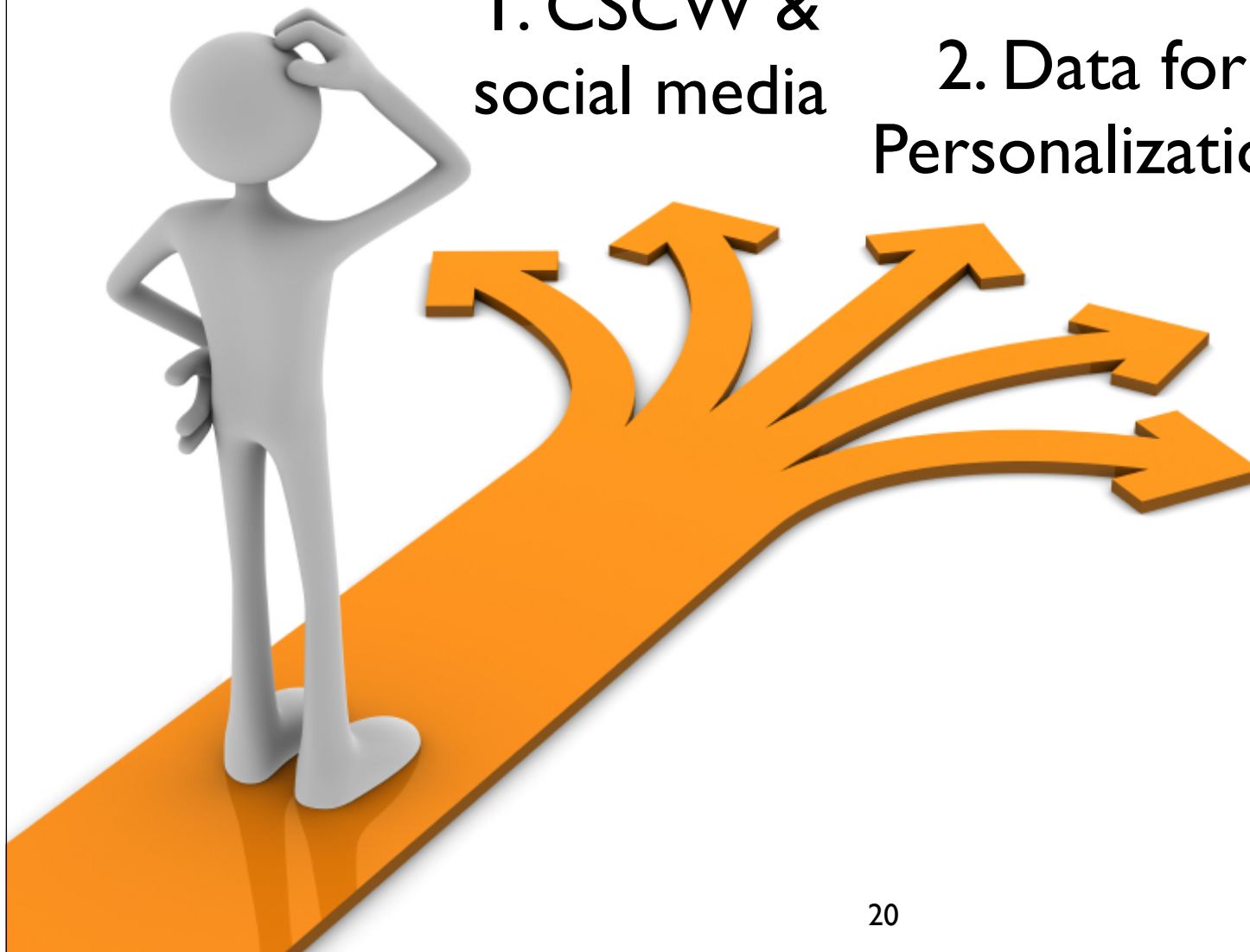
Overview

1. CSCW &
social media

2. Data for
Personalization

3. Applications-
domains

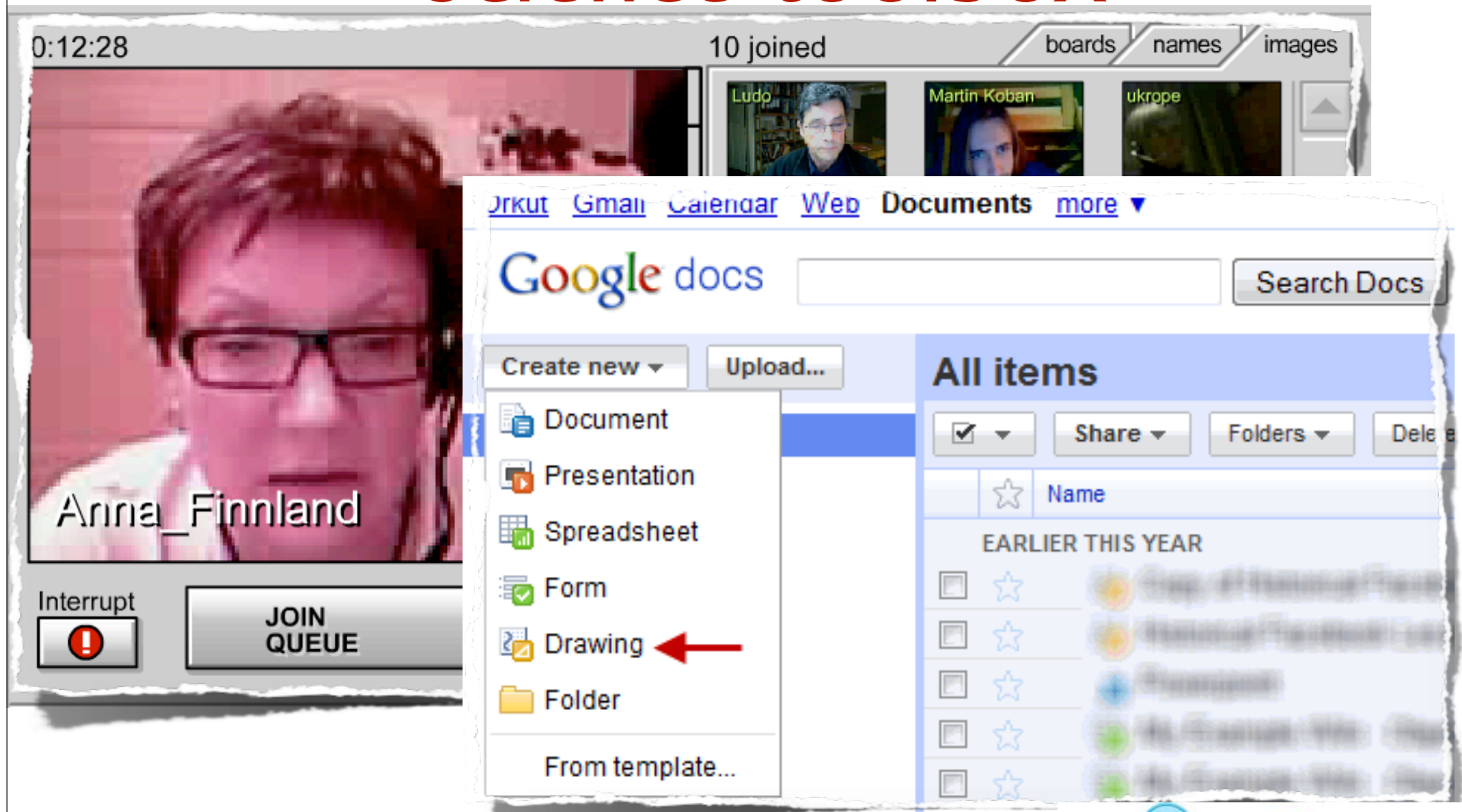
4. Future
Challenges



Application domain: Science 2.0



Science toolbox



Dropbox



Open



Open Access

Open data

Open

Open Innovation

Open Science



Open = Increases the information overload




Are you sure that you never miss an relevant article?

Do you know who is citing and referring to your articles?

Are you sure to whom to collaborate with?



New tools in the toolbox





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Launching OpenAIREplus

Press release

Paving the way to open data:
OpenAIREplus – linking publications to
data and funding schemes.

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OpenAIRE's response to EC Communication and Recommendation

18 JULY 2012

The OpenAIRE initiative strongly supports the European Commission's Communication and Recommendation to Member States, [↗](#) "Towards Better Access to Scientific Information", recently released in draft form.

Supporting the circulation of scientific knowledge to stimulate innovation, as flagged up in these recommendations, is



Latest News

OpenAIRE's response to EC Communication and Recommendation
18/07/2012

The OpenAIRE initiative strongly supports the European Commission's Communication and Recommendation to Member States, [↗](#) "Towards Better Access to Sci [...]

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- Copernicus Publications: First Open Access Publisher Visible on OpenAIRE
- OpenAIRE Workshop: Presentations Available
- Large-scale deposit in repositories increases

New tools in the toolbox

The image is a screenshot of the ResearchGate website homepage. At the top, there is a navigation bar with links for 'Contact us', 'About', and 'Newsletter', followed by a language selector showing 'BG CS EL EN FR HU IT LV LT PL PT RO SK SV' and a search bar. Below this is the ResearchGate logo and a login section with fields for 'Email' and 'Password', a 'Log in' button, and links for 'Keep me logged in' and 'Forgot your password?'. The main content area features a large sunburst chart titled 'Membership breakdown by discipline' with the text 'Over 1.9 million have already joined ResearchGate'. The chart is divided into segments of various colors (orange, teal, yellow, red, grey) representing different scientific disciplines. To the left of the chart, the text 'For Scientists. Your reputation. Your terms.' is displayed above two buttons: 'Connect with Facebook' and 'Sign Up for Free'. On the right side of the chart, there are labels for '5M' and '10M' and a 'Publications' icon.

Contact us | About | Newsletter | BG CS EL EN FR HU IT LV LT PL PT RO SK SV | search...

ResearchGate

Email | Password | Log in

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For Scientists.
Your reputation. Your terms.

Connect with Facebook | Sign Up for Free

Over 1.9 million have already joined ResearchGate

Membership breakdown by discipline

5M 10M | Publications

New tools in the toolbox

The screenshot displays the ResearchGate website interface. At the top, there is a navigation bar with links for 'Contact us', 'About', and 'Newsletter', followed by a language selection menu (BG, CS, EL, EN, FR, HU, IT, LV, LT, PL, PT, RO, SK, SV) and a search bar. Below this is the ResearchGate logo and a login section with fields for 'Email' and 'Password', a 'Keep me logged in' checkbox, a 'Forgot your password?' link, and a 'Log in' button. The main header area features the Mendeley logo and a welcome message for 'Hendrik Drachler', along with a 'My Account' dropdown and an 'Upgrade' button. A secondary navigation bar includes tabs for 'Dashboard', 'My Library', 'Papers', 'Groups', and 'People', a 'Groups' dropdown, and a 'Search...' bar. The central focus is the 'Recommender Systems for Learning' group page, which shows a group icon, the group name, and statistics: 'In this group: 132 papers · 119 members'. Below this, there are buttons for 'Invite people to join' and 'Share' (with Facebook and Twitter icons). The page is categorized under 'Mendeley' and 'Computer and Information Science'. On the left, a sidebar menu lists 'Overview', 'Papers', 'Members', and 'Settings'. The main content area is titled 'Group activity' and contains a text input field for 'What's on your mind?'. Below this, two activity entries are shown: 'Juan Manuel Herrera has joined this group' (38 minutes ago) and 'Colin Milligan has joined this group' (1 day ago), each with a profile picture and links to 'Comment' and 'Like'. On the right, the 'About this group' section features a profile picture of Hendrik Drachler, his title 'Assistant Professor', and a tag for 'Computer and Information Science'. A detailed description follows, stating that the group covers references from the Springer handbook on 'Recommender Systems for Learning' (RSFL), published in 2012, and will be extended with new relevant articles. It also mentions that the bibliography is tagged with keywords for fast access.

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 **Recommender Systems for Learning**
In this group: 132 papers · 119 members

Invite people to join Share f t

Mendeley Computer and Information Science Groups

Overview

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Group activity

What's on your mind?

 Juan Manuel Herrera has joined this group
38 minutes ago · Comment · Like

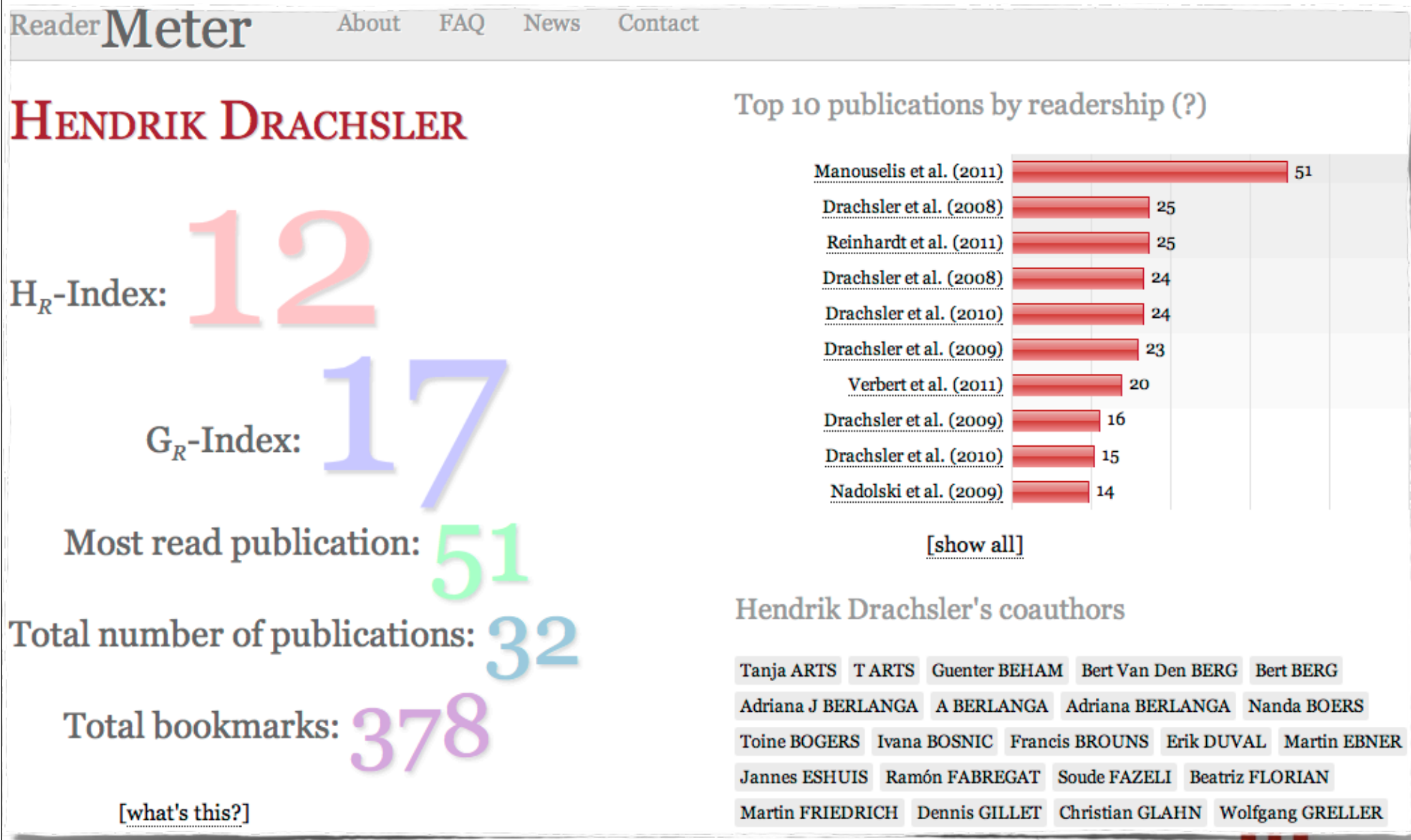
 Colin Milligan has joined this group
1 day ago · Comment · Like

About this group

 Owned by Hendrik Drachler
Assistant Professor
Computer and Information Science

This group covers all references of the Springer handbook on 'Recommender Systems for Learning' (RSFL) that will be published in 2012. The group will be further extended by new relevant articles that appear for this fast emerging field. The bibliography of the different chapters are tagged with the following keywords to provide a fast access

New output criteria



New output criteria

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HENDRIK DRACHSLER

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12

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17

Most read publication:

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[recommender systems](#) - [learning analytics](#) - [context-aware dataTEL](#) [Bewerken](#)

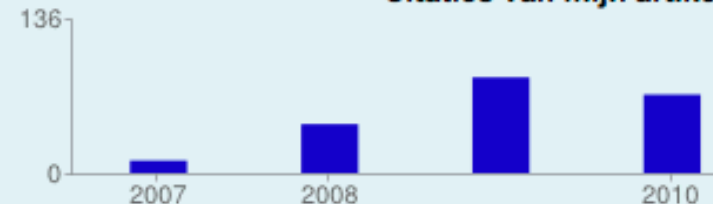
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Mijn profiel is openbaar [Bewerken](#) [Link](#) [Startpagina toevoegen](#)

Citatie-indexen

	Alles	Sinds 2007
Citaties	441	440
h-index	12	12
i10-index	14	14

Citaties van mijn artikel



Selecteren: [Alles](#), [Geen](#) [Acties](#) [Weergeven](#)

Titel/auteur

☐ [Personal recommender systems for learners in lifelong learning network: the requirements, techniques and model](#)

H Drachsler, HGK Hummel, R Koper

International Journal of Learning Technology 3 (4), 404-423

New output criteria

ReaderMeter

[About](#) [FAQ](#) [News](#) [Contact](#)

HENDRIK DRACHSLER

H_R -Index: 12

G_R -Index: 17

Most read publication: 51

Total number of publications: 32

Total bookmarks: 378

[\[what's this?\]](#)



[Foto wijzigen](#)

Hendrik Drachsler [Bewerken](#)

Open University of the Netherlands [Bewerken](#)

[recommender systems](#) - [learning analytics](#) - [context-aware dataTEL](#) [Bewerken](#)

Geverifieerd e-mailadres voor openpl...

Mijn prof...

Res...

Citatie-indexen		
	Alles	Sinds 2007
Citaties	441	440
h-index	12	12
i10-index	14	14

Selecteren: [Alles](#), [Geen](#) [Acties](#)

Titel/auteur

Personal recommender sy
the requirements, techniq
H Drachsler, HGK Hummel, R
International Journal of Learn



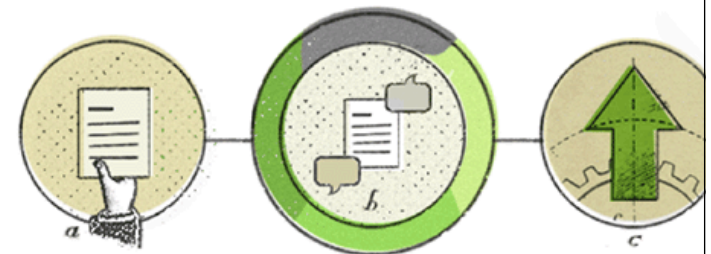
3.17

Your RG Score

[See break](#)

A new way to measure scientific reputation.

The RG Score helps turn *all* your research into a source of reputation. Whether it's the questions and answers you contribute to the network, or the publications, negative results, and raw data you upload, anything can become part of your RG Score. Here's how it works.

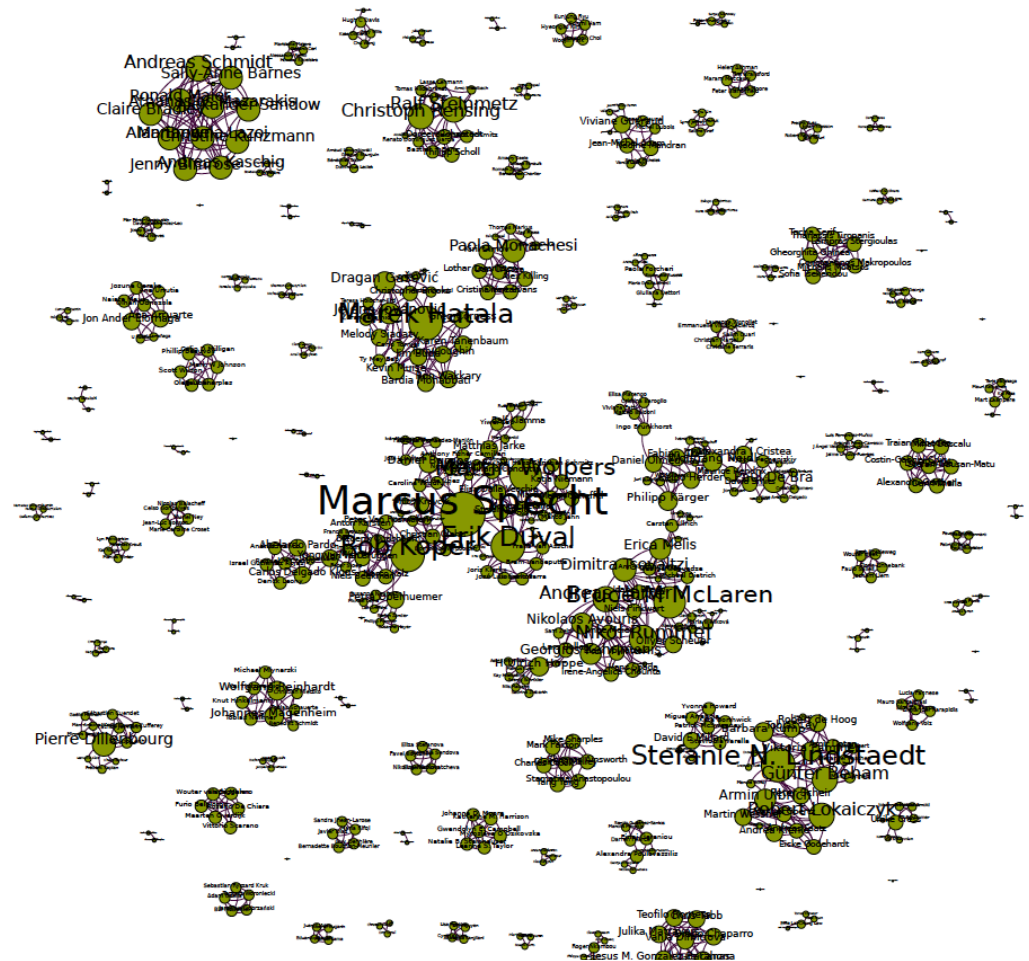
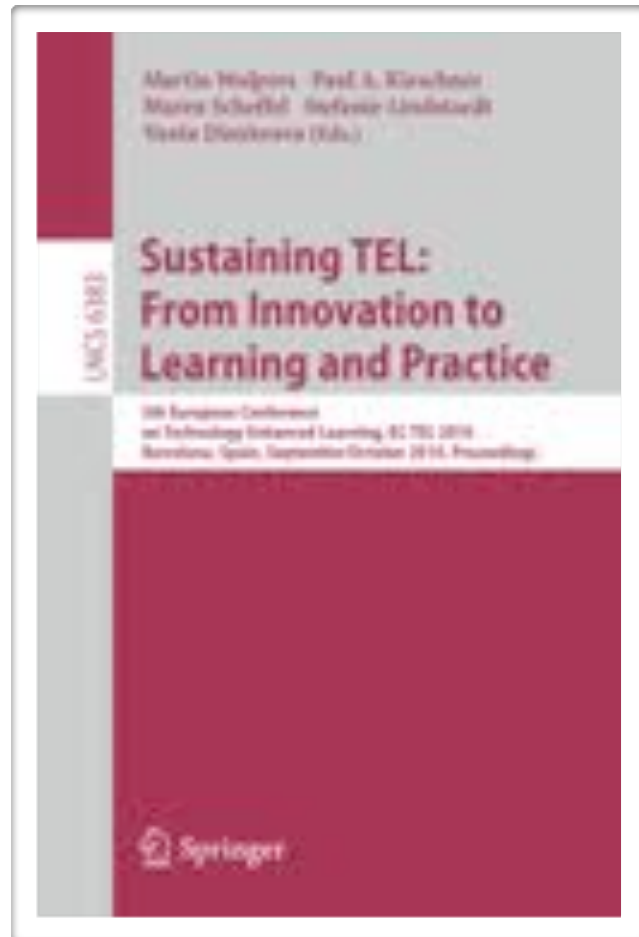


Content

Interactions

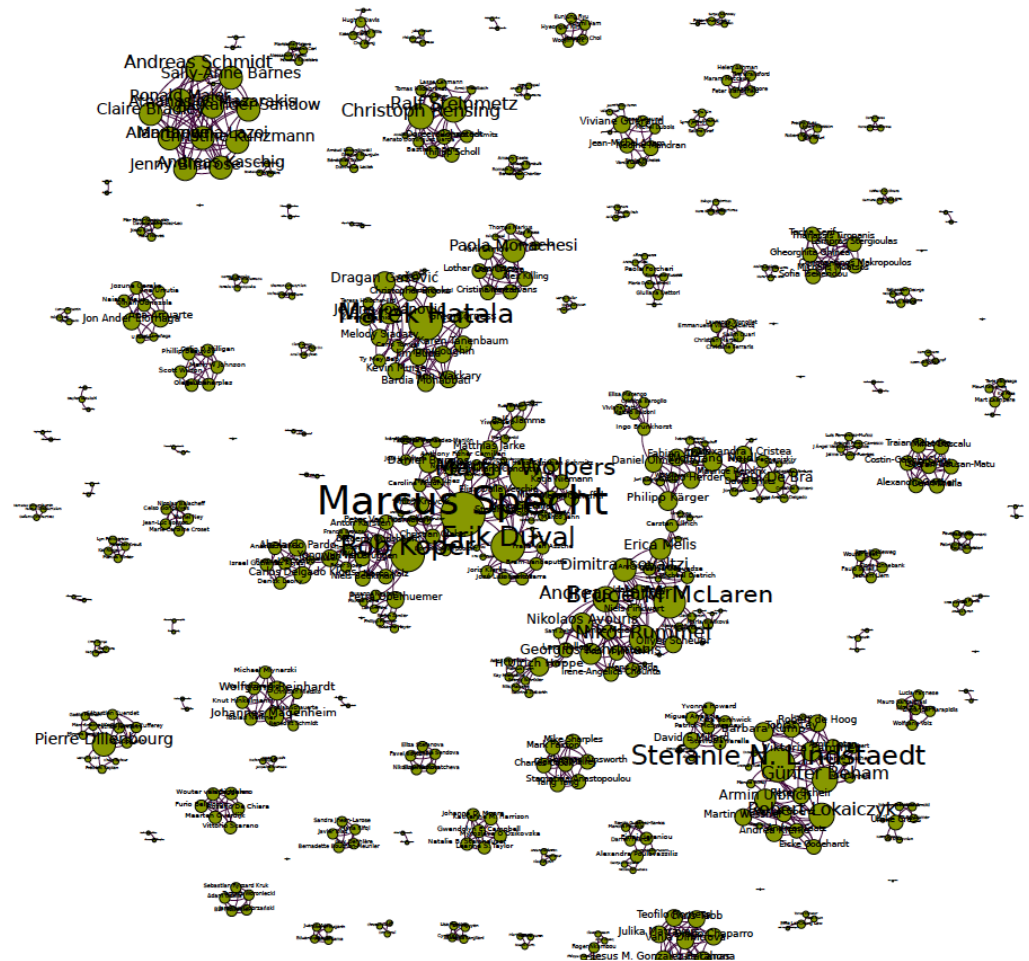
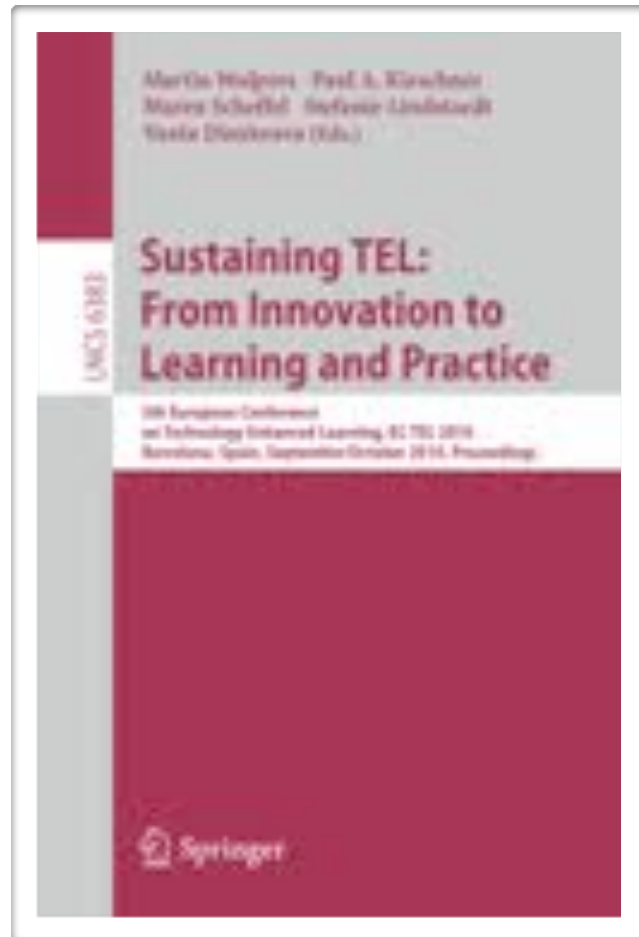
Reputation

New insights



Reinhardt, W., Meier, C., Drachsler, H., & Sloep, P. B. (2011). Analyzing 5 years of EC-TEL proceedings. In C. D. Kloos, D. Gillet, R. M. Crespo García, F. Wild, & M. Wolpers (Eds.), Towards Ubiquitous Learning: 6th European Conference of Technology Enhanced Learning, EC-TEL 2011 (pp. 531-536). September, 20-23, 2011, Palermo, Italy. LNCS 6964; Heidelberg, Berlin: Springer.

New insights



Reinhardt, W., Meier, C., Drachsler, H., & Sloep, P. B. (2011). Analyzing 5 years of EC-TEL proceedings. In C. D. Kloos, D. Gillet, R. M. Crespo García, F. Wild, & M. Wolpers (Eds.), Towards Ubiquitous Learning: 6th European Conference of Technology Enhanced Learning, EC-TEL 2011 (pp. 531-536). September, 20-23, 2011, Palermo, Italy. LNCS 6964; Heidelberg, Berlin: Springer.

New insights

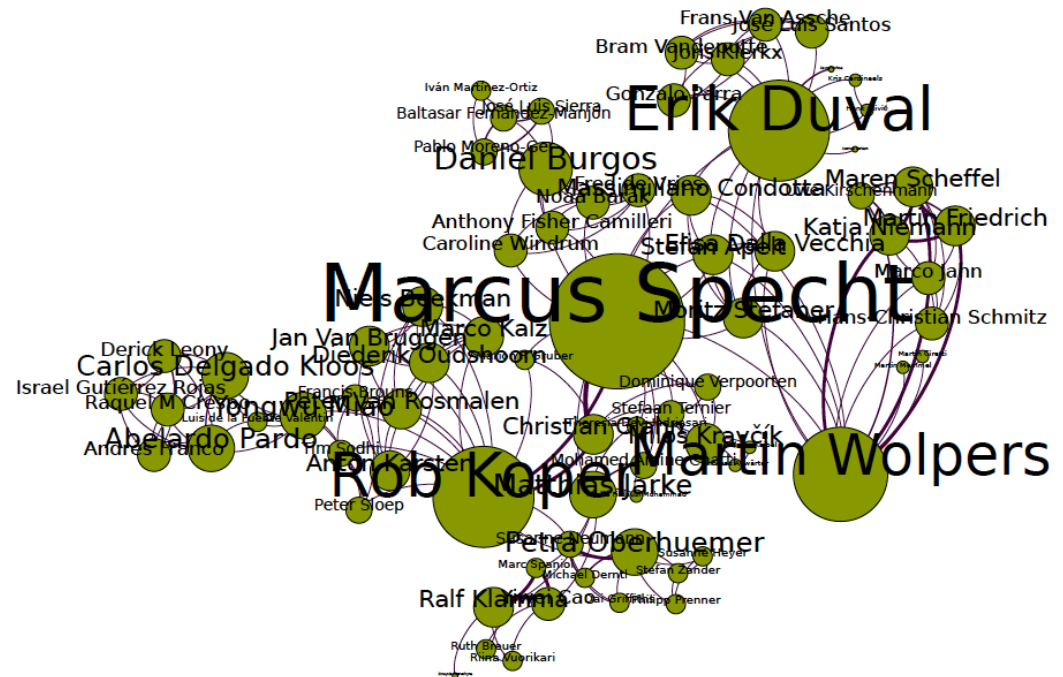
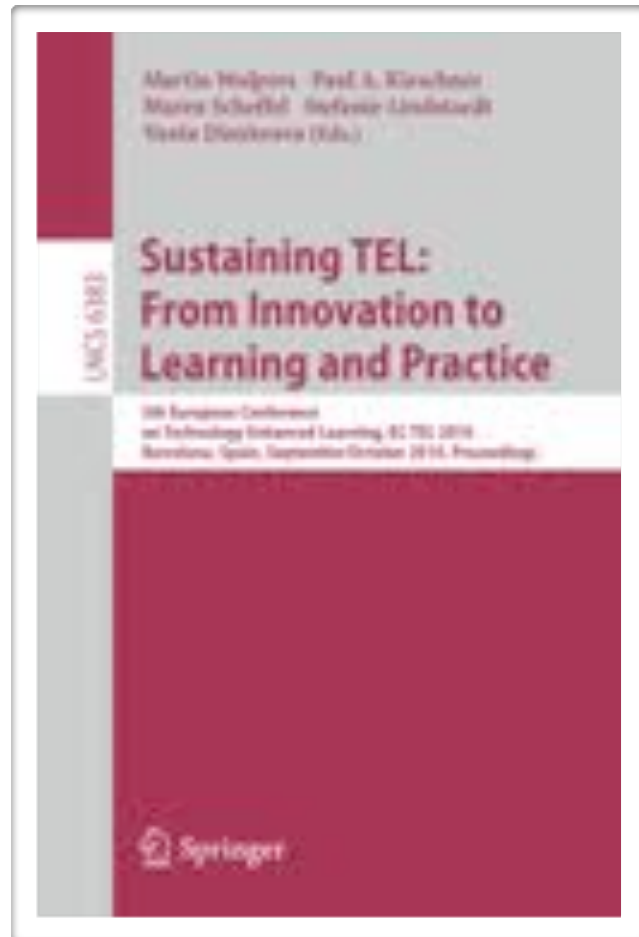


Figure 34: Largest co-authorship cluster for EC-TEL 2006-2010 (75 authors)

Reinhardt, W., Meier, C., Drachsler, H., & Sloep, P. B. (2011). Analyzing 5 years of EC-TEL proceedings. In C. D. Kloos, D. Gillet, R. M. Crespo García, F. Wild, & M. Wolpers (Eds.), Towards Ubiquitous Learning: 6th European Conference of Technology Enhanced Learning, EC-TEL 2011 (pp. 531-536). September, 20-23, 2011, Palermo, Italy. LNCS 6964; Heidelberg, Berlin: Springer.

Personalization in Science



Recommends relevant articles / blog post, facebook, google page etc.:

a.) A new method has been published that fits to your research

b.) A new article appeared that supports / contradicts your results



Science 2.0 - PhD Projects

Distribute Information

testing Done! portlet
Done

Home > Done

1 Overwegen beheren van accounts naar MyAccount te verplaatsen en hier een link "Beheer accounts" te plaatsen.

2 Indien geen accounts, kan tabel met "Service, Gebruikersnaam etc" verborgen worden

3 Accounts: niet alle icons worden direct door iedereen herkend. Evt bij mouseover in alt tekst naam, url e.d. van de service tonen.

4 Als ik na invullen van wachtwoord/verifier code e.d. op ENTER druk verwacht ik dat formulier gesubmit wordt.

5 "Verwijder account" uiterst rechts plaatsen (4e positie)

6 Invoervelden voor Gebruikersnaam en Wachtwoord kunnen een stuk smaller.

7 Als je in de wizard stap 2 hebt geklikt ("omschrijf") en dan weer op "vorige" klikt, krijg je een validation error bij titel veld.
Deze error alleen tonen indien je vooruit wilt bladeren.

8 Kies topic communities: ik moet erg wennen aan het feit dat ik hier op een hyperlink moet klikken om een categorie te selecteren; normaal gesproken

Social Media Publisher

Beheer accounts [« Terug](#)

Service	Gebruikersnaam	Verwijder credentials	Test status van de verbinding
f	Atif Musaddaq <atif.musaddaq@rwth-aachen.de>	×	niet getest
in	atif musaddaq [W7MljhsmC1]	×	niet getest
S	atifmusaddaq	×	niet getest
t	Atif Musaddaq [40541518]	×	niet getest

Voeg account toe

f in t Y+ r W u S D

Documentenbibliotheek

Documenten hoofdmap | [Recente documenten](#) | [Mijn documenten](#) [Zoek](#)



Science 2.0 - PhD Projects

Increase Awareness

ReScope Tags

[help]

ajax ambientcomputing analysis art artist audio austria backup
barcelona blog call christmas coding comic competence
computergames computerscience conferences contemporary creative
critique culture database design dictionaries dutch education
elearning email eu example fantasy flash framework friends fun
futuretechnologies gamebasedlearning gaming general google graffiti
graphicdesign gui hardware hci history ideas identity illustration
indicators informal infrastructure innovation instantmessaging interactive
java javascript journals landart learningtechnology library light
linux literature ll laa mace macosx management maps
microblogging mmorg mobile mobilelearning modelling movies
multimedia museum music networking stoves nfl oer
opensource optimization papertoy performance perl personal
personalisation philosophy photos policy project project-management
projects publication r reflection research ria science semanticweb
server shortmovie simulation sna socialeffects socialsoftware
society software softwarearchitecture specifications ssi statistics steel
streetart study svg system tagging teaching technology telephony
theory tools toys train training travel tv uml usability versioning
video virtualmuseum visualisation voip weather web web2.0
webapplications webdesign wii wiki wikis windows work xon
xml youth

Christian Glahn

Your Profile

ReScope Tags

How are you reading your tag cloud? [help]

Write down your thoughts about your tags and return to them later. Use back-tags to label important bits, such as goals, tasks, or topics.

140

Reset To Current Tag Cloud

Previous notes

Below are your previous notes. By clicking on one of them you gain also access to your tag cloud at the time while you were taking the note.

A note while demonstrating to wim

17.12.2008 14:19:04

XXX

05.12.2008 00:24:07

Another showcase

25.11.2008 20:05:36

fresh bookmarks make quite some changes with my cloud - #blogs are more important now.

02.10.2008 09:58:19

Hallo Wolf

24.09.2008 16:17:59

This is the #tag #cloud at the start of the #experiment !

24.09.2008 01:35:42



Science 2.0 - PhD Projects

Personalize Information


The screenshot displays the ReMashed web application interface, which provides personalized recommendations for mash-ups. The interface is organized into several sections:


- Header:** Features the ReMashed logo and the tagline "Recommendations for Mash-ups". It also includes a user login status: "Signed in as hendnk.drachslar@ou.nl" with links for "Home", "Change settings", and "Sign out".
- DELICIOUS:** A section for food-related recommendations. It lists items posted by users like "nogmaareentest@test.nl" and "test5@test.be", including titles like "Get More Twitter Followers! - FeaturedUsers.com" and "FIRE SAFETY TRAINING AT WORK & AT HOME".
- BLOG:** A section for blog recommendations. It lists items posted by "test2@test.com" and "test6@test.de", including titles like "Digital Campus #42 - The Real World" and "Zotero 2.0 Is Here!".
- BEST RATED ITEMS OF THE WEEK:** A section highlighting top-rated items. It includes a "BLOG" entry about "ReMashed evaluation week 3" and a "SLIDESHARE" entry titled "Innovation 101".
- Flickr:** A section for image recommendations. It lists items posted by "ianhaddingham" and "test6@test.de", including titles like "The Science Creative Quarterly » ON KINGDOMS AND THE GALAPAGOS ISLANDS: A TREATISE ON DARWIN'S CONTRIBUTIONS TO MODERN ECOLOGY AND EVOLUTION IN CAK".
- SLIDESHARE:** A section for presentation recommendations. It lists items posted by "teletubbie@bnn.nl" and "test6@test.de", including titles like "Naming A Business, Product Or Service" and "Kearsney Station, Dover".
- RATING BASED RECOMMENDATIONS:** A section for recommendations based on ratings. It lists items posted by "tanja@tanja.nl", including titles like "Social Freelance Jobs & Open Outsource" and "Open Outsourcing".

Each recommendation entry typically includes the post date, time, title, a brief description, and a star rating. The interface also features navigation links like "previous items" and "next items" for each section.


Science 2.0 - PhD Projects

New Services

Welcome Events Explore



Social Awareness



Scientific Event Management

That's the heart of **ginkgo** and it supports you in some of the most important steps of this process: Don't ask what you can do with ginkgo, but what ginkgo can do for you.

Closed beta started!

ginkgo is a fresh approach to the management of scientific events and allows for social connections among participants, reviewers and organizers. Stay informed about latest events and publications in your field.

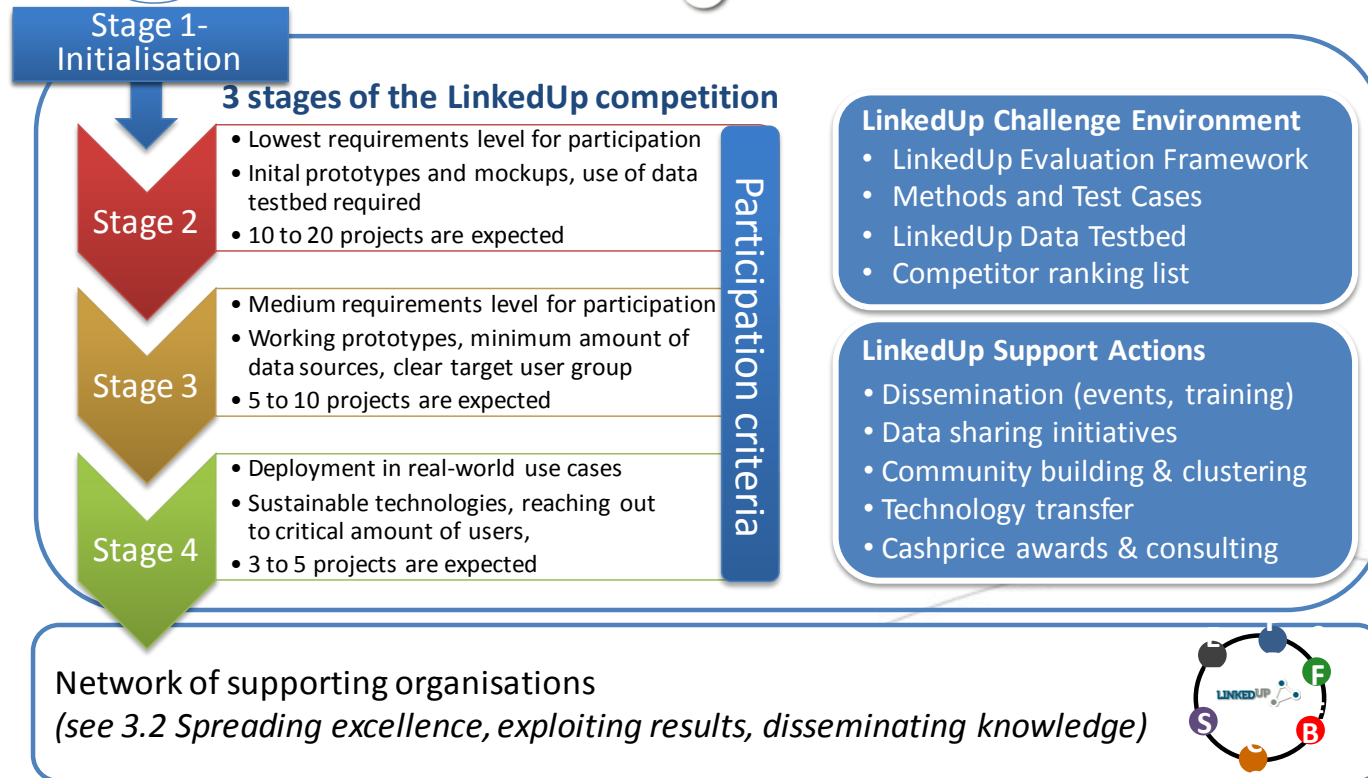
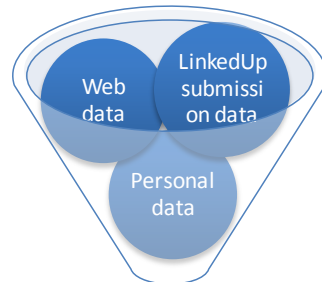
Sign up for the beta list

Please fill in your name

Please fill in your email address



Science 2.0 - EU Projects



Application domain: Health 2.0



The Handover project

Improving the continuity of patient care through identification and implementation of novel patient handoff processes in Europe



University Medical Center
Utrecht



KAROLINSKA
Universitetssjukhuset

IQ Scientific Institute for
Quality of Healthcare

Radboud University Nijmegen Medical Centre



AVEDIS
DONABEDIAN
INSTITUTO UNIVERSITARIO-UAB



REGIONE TOSCANA
GRC
Gestione Rischio Clinico
SICUREZZA DEL PAZIENTE

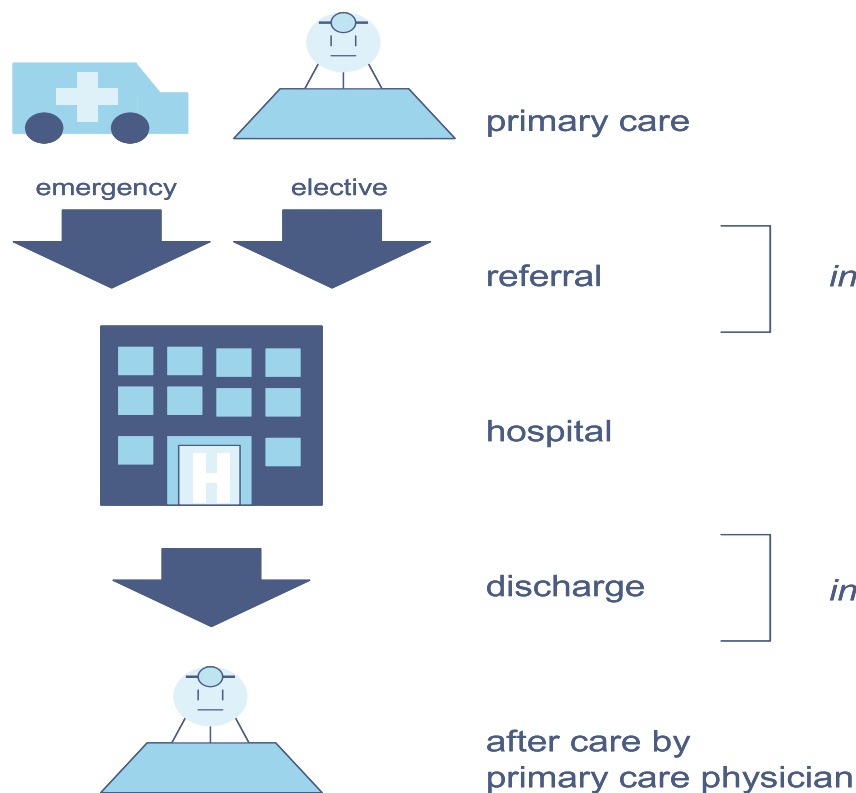


WHO Collaborating Centre for Development
of Quality and Safety in Health Systems

UNIVERSITY OF
BIRMINGHAM

The HANDOVER project

Shorter hospitalizations, more frequent patient transitions
→ high demands on the quality of clinical handovers



- Missing information
- Incomplete information
- Delay
- Wrong address
- Wrong medication
- ...

Focus of
HANDOVER

CELSTEC
celstec.org



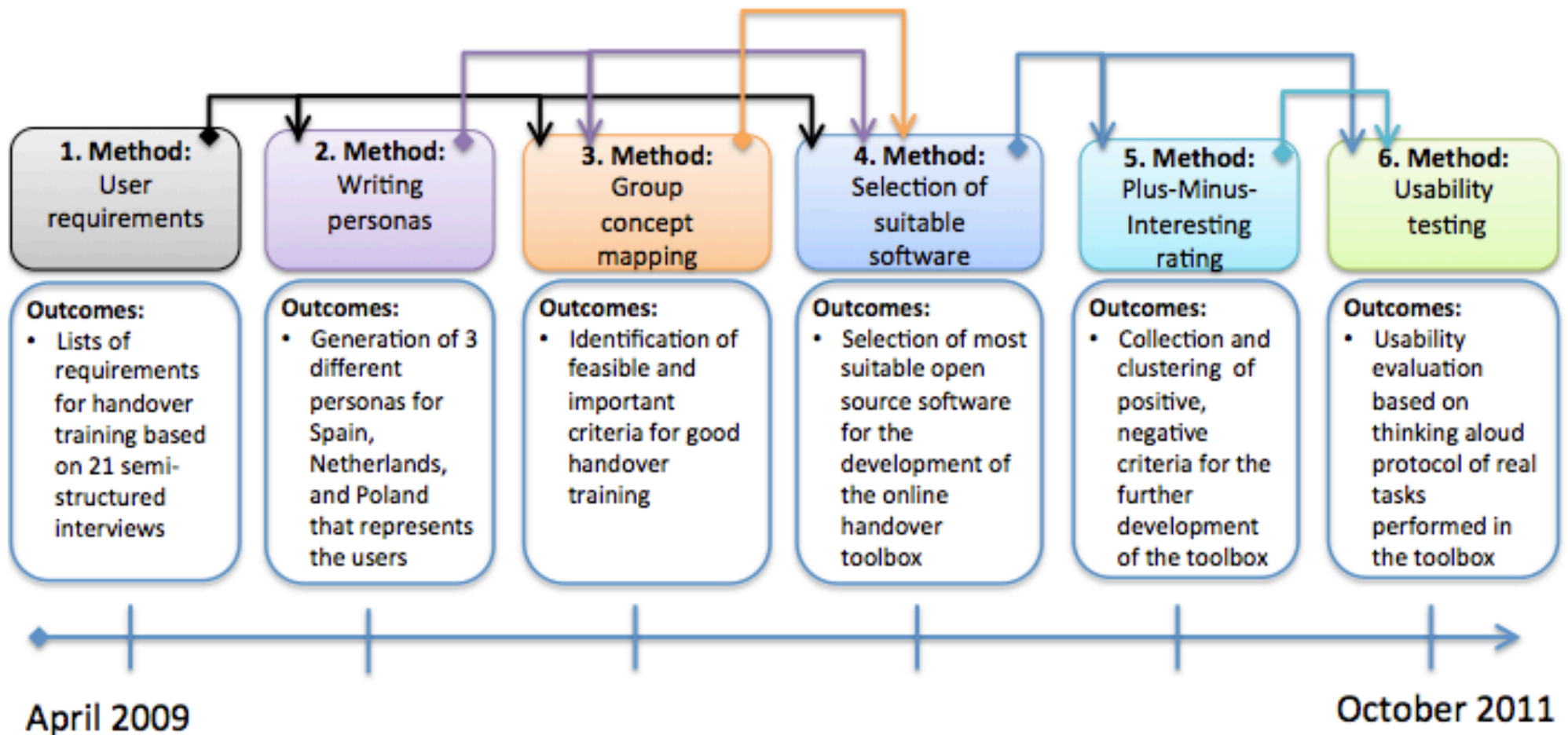
The HANDOVER project

Shorter hospitalizations, more frequent patient transitions



Participatory Design

The Technology Enhanced Learning - Design Process



Community: Handover Tools Blogs Groups Bookmarks Members Pages Files Information pool

Handover toolbox

Welcome Hendrik Drachsler

Latest activity

- Account has been activated [Maria Flink](#) (2 days ago)
- [Mariann Olsson](#) is now a member of [Needs analysis](#) (3 days ago)
- [Wendy Kicken](#) wrote a new page titled [Improving the attitude towards the importance of effective handover](#) (8 days ago)
- [Wendy Kicken](#) posted a comment on this page [Improving the attitude towards the importance of effective handover](#) (8 days ago)
- [Maria Flink](#) is now a member of [How can I empower the patient in handover through a handover training?](#) (9 days ago)
- [Maria Flink](#) is now a friend with [Cijss Hesselink](#) (9 days ago)
- [Maria Flink](#) is now a friend with [Hendrik Drachsler](#) (9 days ago)
- [Hendrik Drachsler](#) wrote a new page titled [Protocols and checklists for handovers](#) (9 days ago)
- [Hendrik Drachsler](#) wrote a new page titled [Evaluation of training](#) (9 days ago)
- [Hendrik Drachsler](#) wrote a new page titled [Methods of training](#) (9 days ago)

Latest files

 **Handover in the perioperative care process** [View gallery](#)

 [Cor Kalkman](#)
21 days ago

Current Opinion in Anaesthesiology 2010;23:749-753

An overview of various issues related to in-hospital handovers in the perioperative process. To summarize recent developments in the study of perioperative handovers, when patients are transferred between various hospital locations (emergency room, ward, operating room, recovery room, intensive care unit) and handovers between care providers (doctors and nurses) when changing shifts.

[handover, handoff, sign-out, perioperative process](#)

[Download this](#)

★★★★★
4/5 stars (1 votes)

Welcome!

In this toolbox you can find all kind of information and support to help you develop, design and deliver a training in handover or to maximize its impact. The toolbox is not just a 'box' with static information on handover training. It is a dynamic, ever changing box because it is part of a ever growing community. In this community people can search for information, comment on available products, add product and discuss with others who are also interested in training of handover.

In this toolbox a handover refers to a referral from primary care to secondary care or a discharge from secondary care to primary care. An effective training in handover is of utmost importance because it can help to improve the quality of handovers in your organization by decreasing the chances of incomplete or incorrect handovers.

Please have a look at the toolbox and take any information you can use. However, we also would like to encourage you to register and share your knowledge on handover training with others, comment on products and contribute to ongoing discussions. We truly believe that learning can make a difference. If you share our believe, please do not hesitate and join us!

Newest members



Latest groups



STAY UP-TO-DATE
ON THE LATEST
DEVELOPMENTS ON
HANDOVERS

FIND
INTERESTING
TOOLS TO
IMPROVE YOUR
HANDOVERS

CONTRIBUTE
YOUR OWN
HANDOVER
TOOLS

RATE AND
ANNOTATE
TOOLS AND
ARTICLES

ADD INTERESTING INFORMATION AND
EXPERIENCES TO THE TOOLBOX

FIND TRAINING
EXAMPLES AND
ADVICE TO CREATE
YOUR OWN
TRAINING IN
HANDOVER

BECOME A MEMBER
AND START SHARING!

SHARE KNOWLEDGE
ON BEST PRACTICES

DISCUSS WITH OTHER
EXPERTS IN THE FIELD

START YOUR
OWN GROUP

Certified / Community content

Certified content

Handover toolbox

Hendrik Drachsler

Subscribe to feed
Report this
Bookmark this

Edit page
Page history

Page navigation

- Handover Tools
 - Meet the handover team on video
 - Design of training
 - Communication skills, knowledge, attitude and skills to improve handovers
 - Protocols and checklists for handovers
 - Empowerment of patient
 - External and organisational factors
 - Methods of training
 - Evaluation of training


Pages home > Handover Tools

Handover Tools

To help you improve your handovers we have selected several evidence-based tools, strategies and recommendations. You can find them, sorted by theme, in the **Page Navigation** menu on the left.

Because the improvement of handovers is a continuous process, we would like to invite you to share your experience, knowledge, opinions with others in the field. Please visit the [groups](#) related to these topics and start contributing.

The Handover Project Team:




Interview with Dr. Loes Pijnenborg who is the first person to combine this work with advising Utrecht on Quality and Safety. From 2005-2012, she worked for seven years as a general practitioner in the program to improve Patient Safety and Logi. She finished her nationwide quantitative study on euthanasia in medical journals as The Lancet, BMJ and JAMA.

★★★★★
4.5/5 stars (2 votes)



Community Content

Handover en Grupos minoritarios



Owner: [Carola Orrego](#)
Group members: 3

Description:

Este grupo ha sido creado para colaborar en la formación de profesionales sanitarios sobre posibles estrategias para mejorar la comunicación con pacientes pertenecientes a grupos minoritarios.

Desde la perspectiva de la comunicación, entendemos grupos minoritarios, personas que entren en contacto con el entorno sanitario y que puedan tener dificultades para comprender la información otorgada por los profesionales sanitarios:

- Personas con barreras idiomáticas
- Personas con bajo nivel de educación
- Personas con problemáticas sociales y limitaciones culturales

¡Bienvenidos a este espacio!

Todas vuestras aportaciones serán bien recibidas!!!!

Brief description: Limitaciones en la comunicación con personas que pertenecen a grupos minoritarios

Tags: [desfavorecidos sociales](#), [barreras idiomáticas](#), [comunicación](#), [Transferencia de información](#)

Website: www.fadq.org

Edit

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celstec.org



The PATIENT project



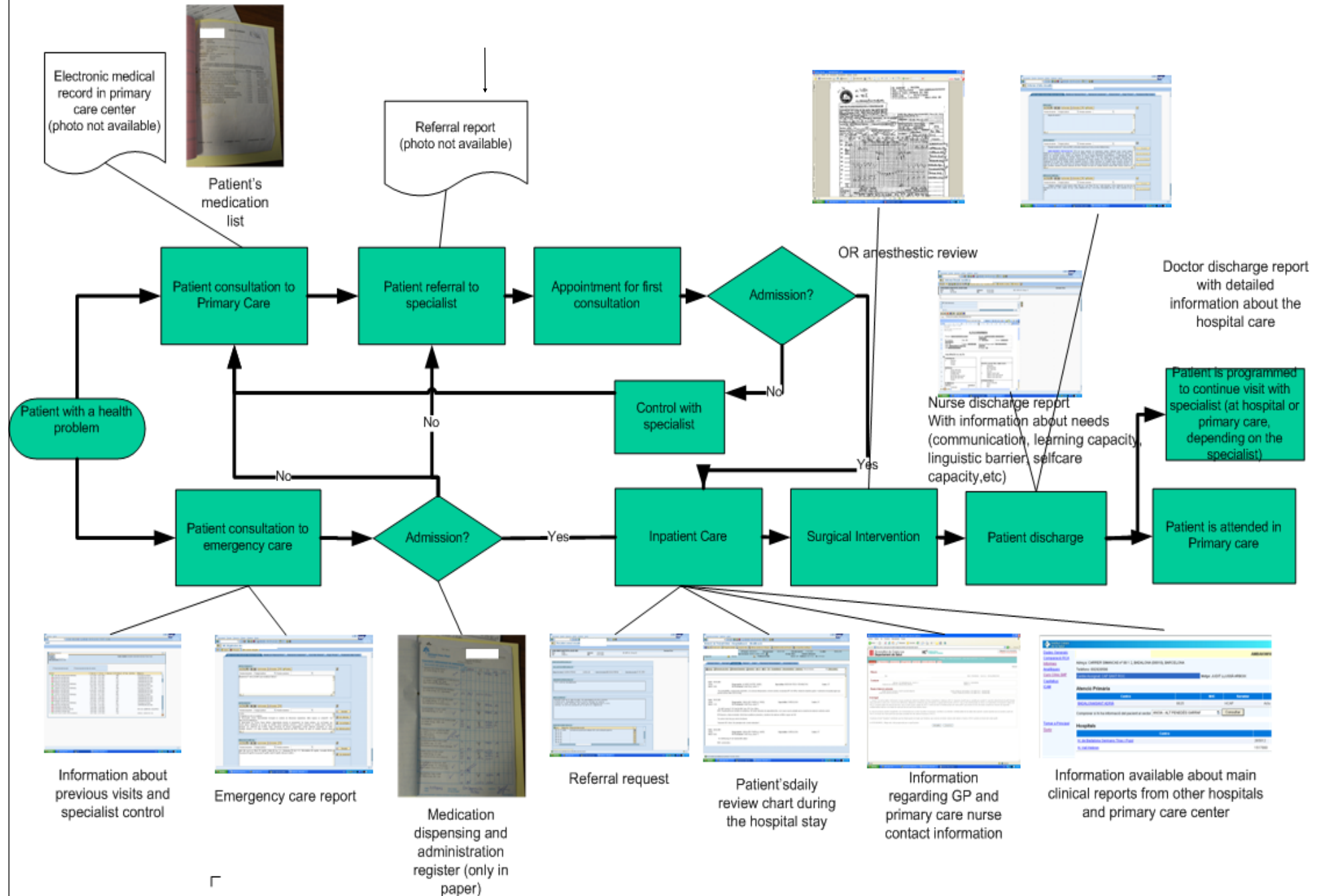
MT-Consulting



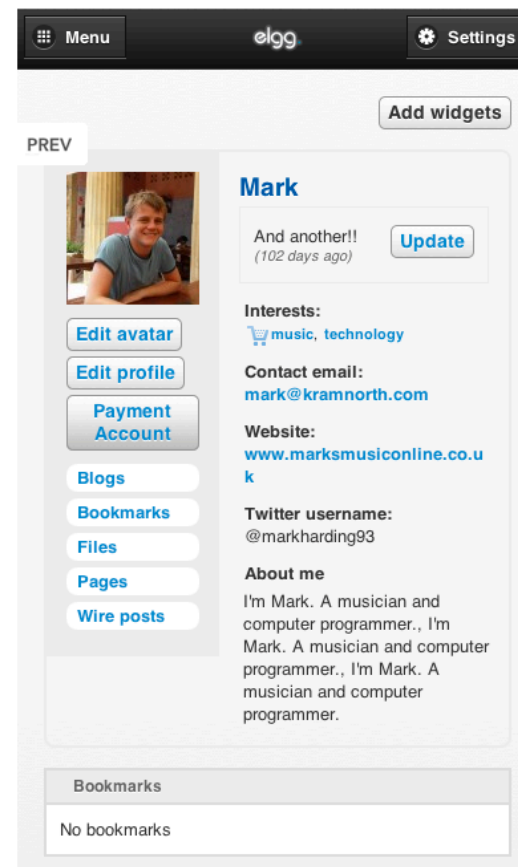
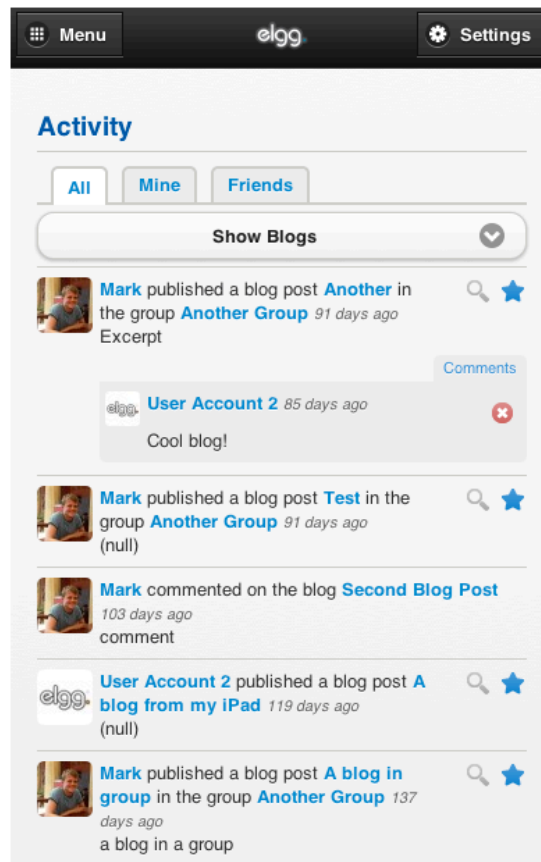
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Process mapping



Mobile Apps to improve handovers



Mobile Apps to improve handovers

The image displays four sequential screenshots of a mobile application interface for patient handovers, labeled 'CLAS - Page 1 of 4' through 'CLAS - Page 4 of 4'. Each page contains a list of clinical data points with checkboxes for completion.

- Page 1:** General (checked). Fields include Name of patient, Address of patient, MRN, Date of Birth, Hospital, Ward, Consultant, Speciality, and Date of admission.
- Page 2:** Problem List (checked). Fields include Is there a problem list?, History (checked) with Reason for admission and History of presenting complaint, Past history, Physical Examination (checked) with Pertinent clinical findings, and Investigations (checked).
- Page 3:** Current Status (checked). Fields include Current status documented?, Management Plan (checked) with Management plan listed?, Medication (checked) with List discharge medication?, Doses written correctly?, Any medication stopped, and New medication.
- Page 4:** Clarity and Writing Style (checked). Fields include Unnecessary information, Structure (0/50), Paragraphs, Readability, and Clarity.

A blue pop-up message is overlaid on the fourth screenshot, stating: "0/50 is your letter's CLAS score! Review your unchecked items, and then swipe to write another letter. Press to view your unchecked items".



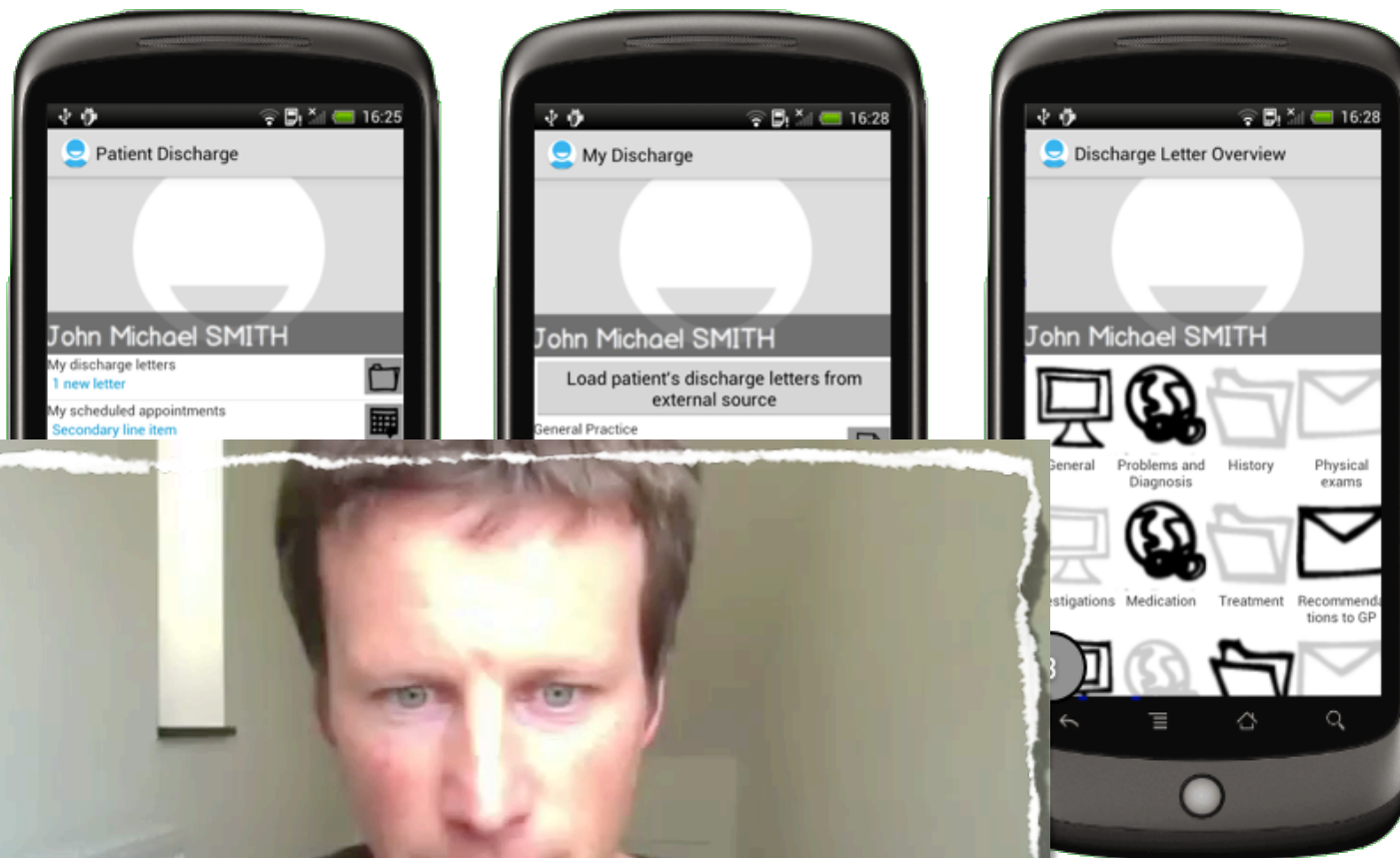
Mobile Apps to improve handovers



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Mobile Apps to improve handovers



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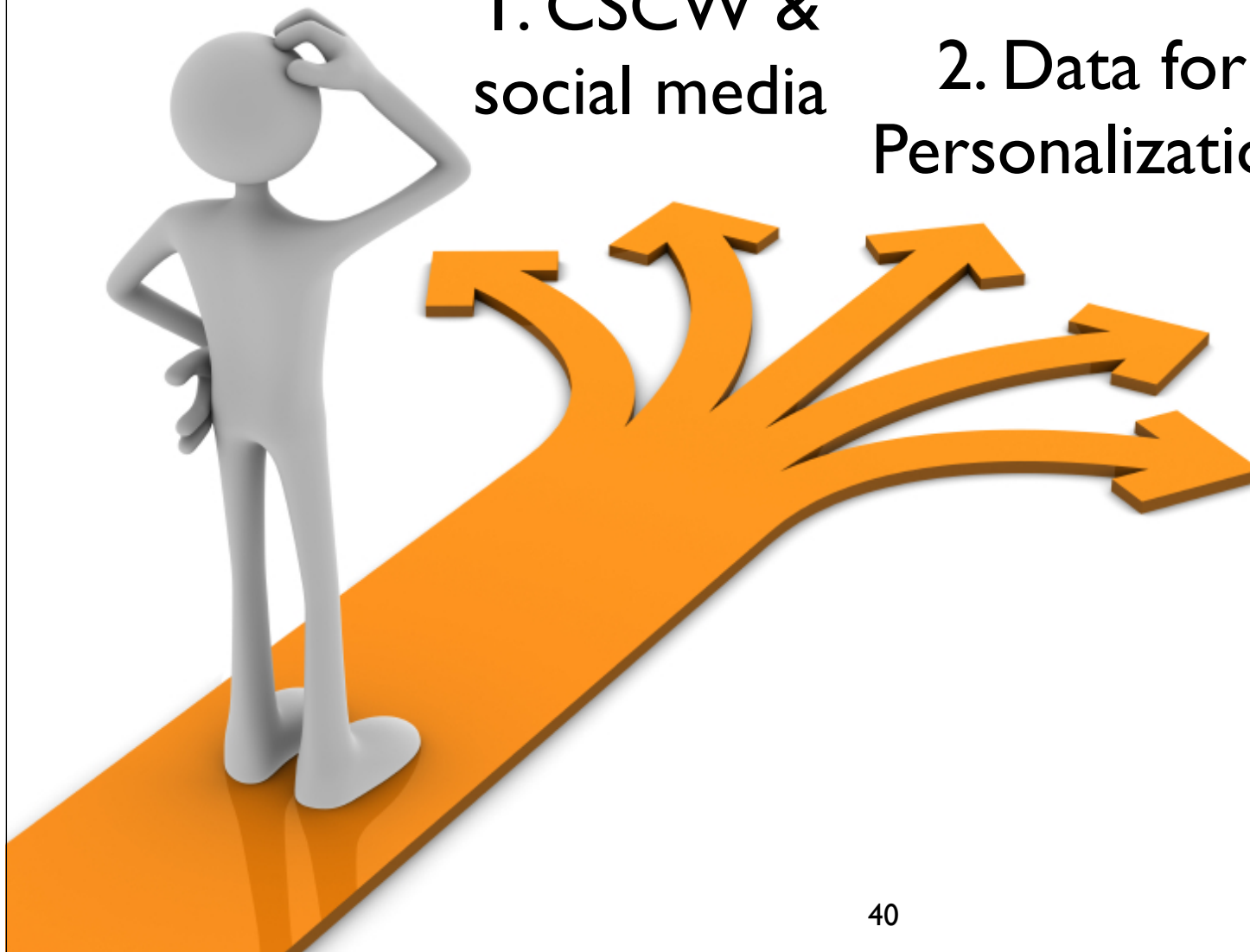
Overview

1. CSCW &
social media

2. Data for
Personalization

3. Applications-
domains

4. Future
Challenges



Future Research Challenges

In General:

1. Personalization, Awareness, Reflection
2. Privacy and Legal Protection
3. Social Metadata Standard
4. New application-domains: Energy 2.0



Future Research Challenges

For Science 2.0:

- 1.** Open Science
- 2.** Linked Data
- 3.** Data Analytics / Visualizations



Future Research Challenges

For Health 2.0:

1. Adoption of social technology for innovation
2. Mobile technology
3. Linked Data for health
4. Participative health



Thank you for attending this lecture!

This slide is available at:

<http://www.slideshare.com/Drachsler>

Email: **hendrik.drachsler@ou.nl**

Skype: **[celstec-hendrik.drachsler](https://www.skype.com/people/celstec-hendrik.drachsler)**

Blogging at: **<http://www.drachsler.de>**

Twittering at: **<http://twitter.com/HDrachsler>**

